CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 13	Greybull, Wyo.	Feb. 9
Feb. 14	Brooklyn, N. Y.	Feb. 9
Feb. 14	Detroit, Mich.	Jan. 26
Feb. 15	Phila., Pa.	Feb. 9
Feb. 21	Galveston, Tex. Adv. Jan. 26 to Feb. 9.	Jan. 26
Feb. 24	Cody, Wyo.	Feb. 9
Mar. 20	New Orleans, La. Adv. Jan. 26 to Feb. 9.	Jan. 26

SEWERS

Feb. 13	Oil City, Pa.	Jan. 19
Feb. 14	Trenton, N. J.	Feb. 2
Feb. 15	Erie, Pa.	Feb. 2
Feb. 15	Aberdeen, Wash.	Feb. 9
Feb. 15	Brooklyn, N. Y.	Feb. 9
Feb. 16	Richmond, Va. Adv. Feb. 9.	Feb. 9
Feb. 16	Annandale, Minn.	Feb. 2
Feb. 20	Burlington, N. C.	Feb. 2
Feb. 21	Bluefield, W. Va. Adv. Feb. 2 and 9.	Feb. 2
Feb. 21	Springwells, Mich. Adv. Feb. 9.	Feb. 9
Feb. 28	Wash., D. C. Adv. Feb. 9.	Feb. 9
Feb. 28	Davenport, Ia.	Feb. 9

BRIDGES

Feb. 13	Victoria, B. C.	Jan. 19
Feb. 14	Utah	Jan. 19
Feb. 17	Tomahawk, Wis.	Feb. 2
Feb. 18	Missouri	Jan. 12
Feb. 18	Denver, Col.	Feb. 9
Feb. 20	Altamont, Cal.	Jan. 26
Feb. 21	Lake Charles, La. Adv. Jan. 26 to Feb. 9.	Jan. 19
Feb. 24	North Carolina	Feb. 2
Feb. 24	North Carolina	Feb. 9
Mar. 6	Mercer, Pa. Adv. Feb. 9.	Feb. 9
Mar. 14	Holyoke, Mass.	Feb. 9
Oct. 31	Sydney, Australia Adv. Jan. 12 to Feb. 2	Jan. 12

DAMS

Mar. 4	Ilion, N. Y. Adv. Feb. 9.	Feb. 9

EXCAVATION AND DREDGING

Feb. 14	Oacoma, S. D.	Feb. 2
Feb. 14	Grand Rapids, Minn.	Feb. 9
Feb. 15	Robinson, Ill.	Feb. 9
Feb. 16	Winfield, Mo.	Feb. 2
Feb. 18	West Palm Beach, Fla.	Feb. 9
Feb. 21	Lamar, Col.	Feb. 9
Feb. 23	Leon, Ia.	Feb. 9
Mar. 1	Kennett, Mo.	Feb. 9
Mar. 7	Red Oak, Ia.	Feb. 9
Mar. 15	Elk River, Minn.	Feb. 9

STREETS AND ROADS

Feb. 13	South Pasadena, Cal.	Jan. 26
Feb. 13	Utah	Feb. 2
Feb. 14	Sac City, Ia.	Feb. 9
Feb. 14	Oswego, Kan.	Jan. 12
Feb. 14	California	Jan. 26
Feb. 14	Greenfield, Ind.	Jan. 26
Feb. 14	West Bend, Wis.	Feb. 2
Feb. 14	Banning, Cal.	Feb. 2
Feb. 14	Detroit, Minn.	Feb. 2
Feb. 15	Huntington, W. Va.	Jan. 26
Feb. 15	Woodbury, N. J.	Jan. 26
Feb. 15	Oxford, Mich.	Feb. 9
Feb. 15	New York, N. Y.	Feb. 9
Feb. 15	Cleveland, O.	Feb. 9
Feb. 15	Oklahoma City, Okla.	Feb. 9
Feb. 15	Orange City, Ia.	Feb. 9
Feb. 16	Missouri	Jan. 26
Feb. 16	Port Townsend, Wash.	Jan. 26
Feb. 17	Ottawa, Kan.	Jan. 26
Feb. 17	Missouri	Feb. 2
Feb. 17	Fairmont, Minn.	Feb. 2
Feb. 17	Ohio	Feb. 9
Feb. 17	Litchfield, Minn.	Feb. 9
Feb. 18	West Palm Beach, Fla.	Feb. 9
Feb. 20	Montesano, Wash.	Feb. 9
Feb. 21	Cape May, N. J.	Feb. 2
Feb. 21	Utah	Feb. 2
Feb. 21	Missouri	Feb. 2
Feb. 21	Stockton, Cal.	Feb. 2
Feb. 21	Bessemer, Mich.	Feb. 9
Feb. 21	Ohio	Feb. 9
Feb. 21	Viroqua, Wis.	Feb. 9
Feb. 21	Harlan, Ia.	Feb. 9
Feb. 23	Willmar, Minn.	Feb. 9
Feb. 24	North Carolina	Feb. 2
Feb. 24	Missouri	Feb. 2
Feb. 24	Ohio	Feb. 9
Feb. 24	New York	Feb. 9
Feb. 24	North Carolina	Feb. 9
Feb. 28	Washington	Jan. 19
Feb. 28	Bluefield, W. Va. Adv. Feb. 9.	Feb. 9
Mar. 1	Duluth, Minn.	Jan. 5
Mar. 6	Dade City, Fla.	Feb. 2
Mar. 6	Minneapolis, Minn.	Feb. 9
Mar. 14	Sheboygan Falls, Wis.	Jan. 26
Apr. 1	Granfield, Okla.	Feb. 2

INDUSTRIAL WORK

Feb. 15	Duluth, Minn.	Jan. 26
Feb. 15	Phila., Pa.	Jan. 19
Feb. 15	St. Louis, Mo.	Feb. 2
Feb. 24	Columbia, Mo.	Feb. 2

BUILDINGS

Feb. 11	Waterbury, Conn.	Feb. 9
Feb. 13	New Britain, Conn.	Feb. 2
Feb. 13	Phila., Pa.	Feb. 9
Feb. 14	Clarinda, Ia.	Feb. 2
Feb. 14	Fall River, Mass.	Feb. 2
Feb. 14	Canton, S. D.	Jan. 26
Feb. 14	Sacramento, Cal.	Jan. 19
Feb. 14	New York, N. Y.	Feb. 9
Feb. 15	Detroit, Mich.	Feb. 9
Feb. 15	Traverse City, Mich.	Feb. 9
Feb. 15	Park Ridge, Ill.	Feb. 9
Feb. 15	Corning, N. Y.	Jan. 26
Feb. 15	Newcastle, Ind.	Jan. 26
Feb. 15	Wausaw, Wis.	Feb. 2
Feb. 15	Beloit, Wis.	Feb. 2
Feb. 15	Menagha, Minn.	Feb. 2
Feb. 15	Charleston, W. Va.	Feb. 9
Feb. 15	Wheeling, W. Va.	Feb. 9
Feb. 15	Nephi, Utah	Feb. 9
Feb. 16	Rolla, N. D.	Feb. 9
Feb. 16	Citrus, Cal.	Feb. 9
Feb. 16	Brooklyn, N. Y.	Feb. 9
Feb. 17	Pittsburg, Kan.	Feb. 2
Feb. 17	Imperial Neb.	Feb. 9
Feb. 18	Greenfield, Mass.	Feb. 9
Feb. 18	Pleasant Hill, O.	Feb. 9
Feb. 18	London, Ont.	Jan. 12
Feb. 20	Fremont, Neb.	Feb. 2
Feb. 20	Phila., Pa.	Feb. 2
Feb. 20	West Park, O.	Feb. 2
Feb. 20	Cleveland, O.	Feb. 9
Feb. 20	Springfield, Mo.	Feb. 9
Feb. 21	Columbia, Mo.	Feb. 9
Feb. 21	Charleston, W. Va.	Feb. 9
Feb. 21	Phila., Pa. Adv. Feb. 2 and 9.	Feb. 2
Feb. 21	Hinton, Ia.	Feb. 2
Feb. 21	Buffalo Center, Ia.	Feb. 2
Feb. 23	Middeltown, O.	Feb. 2
Feb. 24	Whitman, Neb.	Feb. 9
Feb. 25	Williamsport, Pa.	Feb. 2
Feb. 25	Rockford, Ill.	Jan. 26
Feb. 25	West De Pere, Wis.	Feb. 2
Feb. 25	Sonoma, Cal.	Feb. 9
Feb. 27	Oakland, Cal.	Feb. 9
Mar. 1	Johnstown, Pa.	Jan. 26
Mar. 1	Phila., Pa.	Feb. 9
Mar. 2	Wayne, Va.	Feb. 9
Mar. 3	Kerrville, Tex.	Feb. 9
Mar. 8	Clinton, Ind.	Jan. 26

FEDERAL GOVERNMENT WORK

Feb. 13	Post Office—Oconto, Wis.	Jan. 26
Feb. 14	Vestibule — New Orleans, La.	Feb. 2
Feb. 14	Boiler Settings — Oteen, N. C.	Feb. 2
Feb. 15	Barracks, etc. — San Diego, Cal.	Jan. 19
Feb. 15	Motor Generator Set, etc.— Hampton Roads, Va.	Feb. 9
Feb. 17	Steel Hull—Louisville, Ky. Adv. Jan. 26 to Feb. 9.	Jan. 26
Feb. 17	Hoist—Milwaukee, Wis.	Feb. 9
Feb. 20	Kitchen Equipment—Perryville, Md. Adv. Feb. 9.	Feb. 9
Feb. 23	Dredging—Norfolk, Va. Adv. Jan. 26 to Feb. 9.	Jan. 26
Feb. 23	Oil Barges — Galveston, Tex. Adv. Jan. 26 to Feb. 9.	Feb. 2
Feb. 23	Steel Hull — New Orleans, La. Adv. Jan. 26 to Feb. 9.	Feb. 2
Feb. 27	Dredging — Providence, R. I. Adv. Feb. 2 and 9.	Feb. 9
Mar. 1	Barracks — Fourth Cliff, Mass.	Feb. 9
Mar. 6	Post Office and Court House —Globe, Ariz.	Feb. 2
Mar. 9	Water Supply Line—Honolulu, H. T.	Jan. 19

MISCELLANEOUS

Feb. 11	Stadium—Nashville, Tenn.	Feb. 9
Feb. 13	Subway — South Pasadena, Cal.	Jan. 26
Feb. 13	Reinforcing Steel—St. Paul, Minn.	Feb. 9
Feb. 14	Cement—Toronto, Ont.	Jan. 26
Feb. 14	Cement—Went Bend, Wis.	Jan. 26
Feb. 14	Wharf Deck—Wash., D. C.	Feb. 2
Feb. 14	Electric Operating Equipment —New York, N. Y.	Feb. 9
Feb. 15	Shafts and Tunnel—New York, N. Y.	Feb. 9
Feb. 15	Crane—Hammond, Ind. Adv. Jan. 26 to Feb. 9.	Jan. 26
Feb. 15	Broken Stone and Screenings, etc. — Long Island City, N. Y.	Feb. 9
Feb. 15	Steel Sheets, Bars, etc.—Detroit, Mich.	Feb. 9
Feb. 16	Cast Iron Pipe — Boston, Mass.	Feb. 9
Feb. 16	Borings—New York, N. Y.	Feb. 9
Feb. 20	Tractor—Audubon, Ia.	Feb. 9
Feb. 21	Supplies—Hamilton, Ont. Adv. Feb. 9	Feb 9
Feb. 23	Tractor—St. Cloud, Minn.	Jan. 19

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., North Tonawanda—Making plans mechanical filtration plant, 8,000,000 gal. daily capacity, to include low service pumping machinery. J. N. Chester, Union Bank Bldg., Pittsburgh, Pa., engrs.

Va., Charlottesville—Had plans prepared Moormans River Waterworks, incl. power house, pumping station, reservoir, pipe lines, etc. $370,000. Williamson, Carrol & Saunders, Charlottesville, engrs.

Fla., Haines City—Plans election to vote on $50,000 bonds to build waterworks and lay mains. J. R. Yale, town clk.

Miss., Collins—Making plans remodeling waterworks and electric light plant, probably install oil engines, pumps, elevated tank and tower. Swanson-McGraw, 705 United Fruit Bldg., New Orleans, La., engrs.

La., Covington—Had surveys made for waterworks and sewerage system. $122,000. X. Kraemer, Magnolia, Miss., consult. engr.

O., Lakewood (Cleveland P. O.)—Plans installing mains. $67,000. E. A. Fisher, City Hall, engr.

Ill., Astoria—Making plans 4-6 in. c.i. mains, pumping station and equipment. $50,000. Fuller & Beard, Ry. Exch. Bldg., St. Louis, Mo., engrs.

Ill., Joliet—Plans 4-6 in. c.i. mains, hydrants, valves, etc., in Herkimer St. $40,000. A. S. Calkins, Joliet Natl. Bank Bldg., engr.

Ill., Kewanee—Making plans 6 in. c.i. mains, etc., in Wethersfield addition. $26,000. J. Palmer, City Hall, engr.

Ill., Western Springs—Making plans 4-6 in. c.i. mains and pumping station. $25,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Wis., Prairie du Sac—Soon takes bids 100 water meters. J. B. Ragatz, clk.

Ia., Eddyville—Making plans waterworks. $25,000. Henningson Eng. Co., Natl. Bldg., Omaha, Neb., engrs.

Ia., Manning—R. C. Gaynor Co., engrs., 525 Trimble Bldg., Sioux City, making plans and soon take bids for well and complete pumping plant for city.

Ia., Muscatine—Plans 16-20 in. main from pump house to Grandview Ave., also new pumps. $50,000. J. Selden, city engr.

Neb., Cowles—Plan pumping station, $14,000; 11 mi. transmission line and distribution system, $11,500. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs.

Neb., Thurston—Making plans laying 4-6 in. c.i. mains. $26,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Okla., Ardmore—Plans election to vote on $300,000 bonds for waterwork improvements. L. M. Thurston, clk. Engineer not selected.

BIDS DESIRED

N. Y., Brooklyn—Feb. 14, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains and appurtenances in Shore Blvd. and Ocean Ave., Manhattan Beach, Highland, Laurel, Poplar, Manhattan, Mermaid, Seagate and Surf Aves., Beach 38th and Beach 40th Sts., in grounds of Seagate Assn., here.

Pa., Phila.—Feb. 15, by F. H. Caven, dir. pub. wks., 34 x 84 ft. pumping station at lower Roxbury filters. 1,500 cu.yd. excav., 350 cu.yd. concrete, $25,000; laying 24 in. pipe in Parkside Ave., 850 ton 24 in. c.i. pipe, 6,000 cu.yd. excav., $35,000; 750 bbl. cement to Queen Lane filters; 4 manual controlled solution feed chlorinators, type M. S. B., 50 to 200 lb. every 24 hours; parts for cox stokers. C. E. Davis, City Hall, engr. Noted Feb. 2.

Va., Ashland—Receiving bids extending mains to South Anna River, 3 mi. 6-8 in. pipe, 280,000 gal. tanks and towers, pumping plant at river, filter beds and settling basins. Ambler Eng. Co., Richmond, engrs.

Tex., Ladonia—Receiving bids waterworks improvements, sanitary sewer and sewage disposal plant, 100 cu.yd. rein.-con., 65 cu.yd. concrete, 1,600 cu.yd. earth and 250 cu.yd. rock trenching 6,700 ft. 4-8 in. c.i. pipe, 7,600 ft., 1½-2 in. galvanized pipe, taking up and relaying 3,230 ft. 4-6 in. c.i. pipe, 31,800 ft. 6-10 in. vitr. pipe. Mosely & Fountain, 410 Cotton Exch. Bldg., Dallas, consult. engrs.

Wyo., Cody—Feb. 24, by Town Clerk, 337 ton 4-12 in. c.i. pipe, 4,390 ft. 12 in. Matheson joint pipe, 33 hydrants, 40 valves, 36 valve boxes, etc., schedule hauling placing barrels and removing 1,800 ft. old pipe, 29,000 cu.yd. earth and 150 cu.yd. concrete. $65,000. H. F. Bell, Cody, engr.

Wyo., Greybull— Feb. 13, by H. Higgins, clk., 200,000 gal. elliptical bottom steel tank, 14,980 ft. 4 in., 4,420 ft. 6 in., 3,000 ft. 8 in., 5,630 ft. 2 in. mains, hydrants, valves, fittings, etc. $75,000. J. W. Zorn, Greybull, engr. Noted Dec. 1.

BIDS RECEIVED

Ga., Atlanta—Opened bids Jan. 31, filter plant reservoir, from Case & Cothran, Chandler Bldg., $633,000; Sanford-Brooks, Dundalk, Baltimore, Md., $698,000; Whiting & Turner Constr. Co., Stewart Bldg., Baltimore, $732,816. Noted Dec. 29.

Ind., Hammond—Bd. Pub. Wks. opened bids Jan. 30, (1) purification reservoir sh.-1-2-3 (a) purification reservoir sh.4, (b) purification reservoir sh.4, (2) suction well, foundations, etc., (3) chimney foundation, from Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, (1) $54,000, (a) $52 000, (b) $50,000, (2) $30,000, (3) $3,500; Subway Eng. Co. 115 South Dearborn St., Chicago, (1) $53,900, (a) $48,900, (b) $42,000, (2) $41,200, (3) $3,800; C. D. Larabee, Mandota, Ill., (1) $71,891, (a) $65,131, (b) $59 416, (2) $33,694, (3) $3,690. Noted Jan. 5.

Wash., Seattle—Bd. Pub. Wks. opened bids Jan. 27, (1) 7,660 ft. 8 in. c.i. mains in Wilson Ave. et al, (2) 10,906 ft. 8-12 in. c.i. mains in Corson Ave. et al, from F. N. Badolato, Seattle, (1) $22,637, (2) $31,419; R. G. Stevenson, 1327 Ewing St., (1) $24,186; D. H. Traphagen, Walker Bldg., (1) $25,209; C. L. Creelman & Co., Railway Exch. Bldg., (2) $31,426; Olson Constr. Co., Seattle, (3) $31,568.

CONTRACTS AWARDED

Fla., Clermont — Installing electric pumps, building 75,000 gal. steel storage tank, laying 2,000 ft. 8 in. iron mains, to J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., $20,300.

Ia., Storm Lake—For 250,000 gal. steel tank on 100 ft. tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, $14,250; 2 triplex pumps and one 40 hp. motor, to J. F. Dlugasch, Storm Lake, $10,000; one 37 hp. oil engine to Fairbanks-Morse Co., 900 South Wabash Ave., Chicago, $2,850. Noted Jan. 19.

Minn., Lake Wilson—Village Council, 9,077 ft. 4-6 c.i. pipe, 30,000 gal. steel tank and 90 ft. tower, pump and fuel engine, pump house, well, etc.; c.i. pipe to Amer. Cast Iron Pipe Co., 38 South Dearborn St., Chicago, $5,810; labor, pipe and fittings, to H. Taget, Webster City, Ia., $3,000; tank and tower, to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., Minneapolis, $3,739; hydrants, valves and boxes to Iowa Valve Co., 712 Plymouth Bldg., Minneapolis, $827; pump house to A. Amundson, Lake Wilson, $1,530; pump and engine, also well to T. Jensen, Tyler, Minn., $1,015 and $340 respectively. Noted Jan. 12.

Kan., Manhattan—For filteration plant and distribution system, to McCoy Constr. Co., Emporia, $53,456; filter equipment to International Filter Co., 38 South Dearborn St., Chicago, $8,600.

Kan., Neodesha—For two 350 kw. full Diesel type oil engines, to Nordberg Mfg. Co., 410 Chicago and Oklahoma St., Milwaukee, Wis., $82,550. Noted Jan. 19.

S. D., Madison—See "Sewers."

Mo., Moberly—For 1 story pumping station, filtration plant, dam and reservoir, to Lynch & McDonald, Moberly. Noted Feb. 2.

Tex., Floydada—Waterworks extension, to Sherman Machine & Iron Wks., 18-32 East Main St., Oklahoma City, Okla., $23,000.

Ont., Kitchener—Utilities Comn., steel reservoir to Horton Steel Wks. Co., Bridgeburg, $24,000; 2 Belis & Morcon air compressors to Laurie & Lamb, Bd. Trade Bldg., Montreal, Que., motors and electrical equipment to Canadian Westinghouse Co., Hamilton, one pump to Buffalo Steam Pump Co., Ltd., Kitchener, one centrifugal Worthington pump to Storey Pump & Equipment Co., Escelsior Life Bldg., Toronto. Total cost. $76,000.

Sewers

PROPOSED WORK

R. I., Providence—See "Industrials."

N. J., Bridgeton—Plans vitr. sewers in various streets. $50,000. E. H. Main, City Hall, engr. Remington & Vosbury, 6th and Market Sts., Camden, consult. engrs.

N. J., Orange—Having preliminary plans prepared electrically operated pumping plant in connection with trunk sewerage system. $110,000. W. L. Hull, City Hall, engr.

La., Covington—See "Waterworks."

O., Lakewood (Cleveland P. O.)—Opens bids after Mar. 15, vitr. sewers in various streets $654,000. E. A. Fisher, City Hall, engr.

Mich., River Rouge—Rejected bids received Jan. 17, 7,000 ft. 3-6 in. diam., brick segment block or rein.-con. sewer in Jefferson and Stoner Aves. $100,000. Work will be readvertised. G. Jerome, 1331 Majestic Bldg., Detroit, engr. Noted Jan. 12.

Ill., Joliet—Plans 10-24 in vitr. tile sewer in Herkimer St. $28,000. A. S. Calkins, Joliet Natl. Bank Bldg., engr.

Wis., Oconomowoc—Making plans storm and sanitary sewers in North Main, Summit, Charles and Armour Sts., 30,000 ft. 6-12 in. vitr. pipe. $26,000. J. A. Stemper, City Hall, engr.

Ia., Havelock — Making plans sanitary sewerage system. $30,000. C. H. Currie, Webster City, engr.

Minn., Barnum—Making plans sewerage and water works systems. $30,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Neb, Bellevue—Plans main sanitary sewers in Main, Warren, 15th, 16th, 18th, 19th, 20th, 21st and 22nd Sts., 20,000 ft. 8, 10 and 12 in. concrete or vitr. clay pipe, $30,000. Trimble Co., 610 World Herald Bldg., Omaha, engrs.

Tex., El Paso—Voted $125,000 bonds, disposal plant. W. Stewart, city engr.

Ont., Peterboro—Having plans prepared for activated sludge disposal system. $50,000. R. H. Parsons, city engr.

Que., Montreal—Plans 2 large collector sewers one in St. Henri St. and other in Gouin Blvd. $3,000,000. F. V. Dowd, asst. supt.

BIDS DESIRED

N. Y., Brooklyn—Feb. 15, by E. Riegelmann, boro pres., Boro Hall, sewers in Empire Blvd., 83rd, 82nd, Bay 28th, Hinsdale and Osborne Sts. etc.

D. C., Wash.—Feb. 28, by Dist. Comrs., 509 Dist. Bldg., 635 ft. sewer; adv. this issue.

Va., Richmond—Feb. 16, at office Dept. Pub. Wks., sewers in various streets. $160,000. A. J. Saville, dir. adv. this issue.

Mich., Springwells—Feb. 21, by B. P. Esper, village clk., Sect. 3 trunk storm sewer outlet and Sect. 6 sanitary sewer outlet and dock. A. Roth, 2348 Penobscot Bldg., Detroit, village engr.; adv. this issue.

Ia., Davenport—Feb. 28, 11,316 ft. 24-42 in. sanitary sewer and pumping station in Duck Creek Dist. $211,000. R. Earle, city engr. Noted Jan. 26.

Tex., Ladonia—See "Waterworks."

Wash., Aberdeen—Feb. 15, by N. Thift, city clk., sanitary concrete trunk sewer in Division St. $140,000. E. G. Hunt, Aberdeen, engr.

BIDS RECEIVED

Wis., Milwaukee—Sewerage Comn. opened bids Feb. 3, 5,000 ton reinforcing-steel, from Inland Steel Co., 38 South Dearborn St., Chicago, $31.90 per ton. Corrugated Bar Co., Mutual Life Bldg., Buffalo, N. Y., $32.95, Concrete Steel Co., Maysville, N. J., $33.30; 95,000 bbl. Portland cement, from Petoskey Portland Cement Co., Petoskey, Mich., $2.41 per bbl., Western Lime &

Sewers (Continued)

Cement Co., 68 Wisconsin St., $2.43. Schneider Fuel & Supply Co., 29th and Forest Home Aves., $2.57. Foregoing for use in connection with settling and aeration tanks on Jones Island. Noted Jan. 19.

CONTRACTS AWARDED

N. J., Kearny—Passaic Valley Sewerage Comrs., 128 Market St., Newark, northerly portion Sect. 28. Kearny-East Newark-Harrison Branch Intercepting Sewer, here, to P. D'Amato, 224 Washington Ave., Newark, $39,389. Noted Feb. 2.

Pa., Phila.—For concrete sewer in Tulip St., to A. Pastori, Lincoln Bldg., $35,000. Noted Dec. 15.

O., Warren—E. H. Braunberns, dir. Pub. Serv. 8,680 lin. ft. 6-10 ft. rein.-con. sewer beginning at Mahoning River near mouth of Red Run and terminating near intersection of Dana Ave. and Hughes Rd., to F. George, 1657 Mahoning Ave., Youngstown, $354,031. Noted Jan. 12.

Mich., Detroit—For 10-30 in. vitr. crock lateral sewer in block bounded by Greeley, Dequindre, State Fair Ave. and Deve Mile Rd., to Detroit Contg. Co., 827 Ford Bldg., $27,446. Noted Feb. 2.

Wis., Milwaukee—Sewerage Comn. opened bids Feb. 3, (1) 6,008 ft. intercepting sewer in Natl. Ave., (a) 5,400 ft. of 36 in. concrete sewer in tunnel, (b) 608 ft. of 20 in. terra cotta pipe in tunnel, (c) drop manholes, (d) ordinary manholes, (2) 1,885 ft. intercepting sewer in Becher St., (a) sewer, (b) manholes, to G. E. Zimmermann, 3402 Grand Ave., (1a) $19.40, (1b) $16, (1c) $22, (1d) $20, (2a) $18.30, (2b) $24. Noted Jan. 12.

Wis., Milwaukee—Four sluice gates to Worthington Pump & Mchy. Corp., Worcester, Pa., $6,440; 10 items to Chapman Valve Mfg. Co., Indian Harbor, Mass., $52,946; equipment for auto return sludge pumping station on Jones Island to Allis Chalmers Mfg. Co., West Allis, $34,900; 55 ton water pipe and specials, to J. B. Clow & Sons Co., 544 South Franklin St., Chicago, $55 per ton. Noted Feb. 2.

Kan., Oberlin—For sanitary sewerage system, and disposal plant, incl. 57,674 ft. 8-15 in. vitr. clay pipe, Imhoff tank, to C. H. Everett, Hutchinson, $51,493. FED. GOV.

S. D., Madison—For sewer improvements, 13,725 lin. ft. 6-12 in. vitr. pipe, 216 ft. 12 in. c.i. pipe, etc. and waterworks extension, 8,655 lin. ft. 4-10 in. mains, 15 hydrants, to Hagen & Goldstein, 304 Central Bank Bldg., St. Paul, Minn., $14,602 ad $12,825 respectively. Noted Dec. 29.

Mo., Carthage—For 8-36 in. vitr. tile sewers in Sanitary Sewer Dists. 41, 50 and 53, to Baker & Koontz, Carthage, $150,000. Noted Jan. 26.

Okla., Pawhuska—Reverse flow Imhoff tank, sprinkling filter 3,500 ft. 15 in. outfall sewer, to Dahlstrom Impvt. Co., Tulsa, $39,500.

Waste Disposal

PROPOSED WORK

O., Cleveland—Plans 1 story garbage disposal plant, brick, steel and concrete, plain foundation. $1,000,000. R. Hoffman, 618 City Hall, engr.

Bridges

PROPOSED WORK

Pa., Phila.—Takes bids early in spring for 95 ft. steel girder bridge encased in concrete, 58 ft. wide, on Front St., $100,000; 250 ft. steel girder bridge encased in concrete, 57 ft. wide, over Reading R.R. on Front St. $150,000. S. Noyes, City Hall, bridge engr.

Del., Lumbrook, (Newark, P. O.)—Baltimore & Ohio R. R., Baltimore and Charles Sts., Baltimore Md., plans 60 ft. girder span, 20 ft. wide, concrete slab and abutments. $100,000. H. A. Lane, Baltimore, ch. engr.

Fla., Ft. Lauderdale—Broward Co. plans to vote on $80,000 bonds building 100 ft. draw bridge, 20 ft., over Hillsboro inlet. F. A. Bryan, co. clk.

O., Cincinnati—See "Miscellaneous."

O., Eaton—Preble Co. plans rein.-con. bridge over Seven Mile Creek, on Richmond-Dayton Pike, about 175 ft. long, 30 ft. wide, $75,000. C. A. Burns, Co., surv.

O., Lorain—Plans new high level bridge over Black River. $1,250,000. C. C. Miller, City Hall, engr.

Wis., Madison—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, plans 4 rein.-con. bridges, $9,651, on Sect. A, Federal Aid Project 105; 3 rein.-con. bridges, $7,131, 1 high steel truss span bridge, $16,397 and 1 I-beam span bridge, $3,066, on Sect. B, Federal Aid Project 105, all in Iron Co. A. Graham, state highway engr.

Tex., Jefferson—See "Streets and Roads."

Wash., Delta—Great Northern Ry. Co., 175 East 4th St., St. Paul, Minn., plans Bridge 10 with one 260 ft. steel draw span, one 100 ft., one 80 ft. and three 64 ft. deck plate girder spans also replacing present timber structure of 5 spans, here. J. A. Bohland, c/o owner, bridge engr.

Ont., Oakville — Dept. Pub. Highways, Toronto, plans steel bridge, concrete floors, probably 800 ft., here. $300,000. G. Hogarth, Parliament Bldgs., Toronto, ch. engr.

Ont., St. Thomas—Elgin Co. plans 304 ft. steel bridge over Stalter Gully. $60,000. F. W. Bell, Court House, engr.

BIDS DESIRED

Mass., Holyoke—March 14 by Bd. Pub. Wks., steel girder bridge, Lyman St. G. F. Stone, asst. clk., adv. this issue.

Pa., Mercer—March 6, by Comrs. Mercer Co., for Bridge 2,305, Fruit Ave. Viaduct in Farrel; Bridge 2,001 over Otter Creek, Coolspring Twp; Bridge 2,002 over Coolspring Creek, Coolspring Twp.; Bridge 2,103, over Yellow Creek, Jackson Twp. F. P. Graham Grove City, co. engr.; adv. this issue.

North Carolina—Feb. 24, by State Hy. Dept., Raleigh, bridge over Haw River, State Project 400, Chatham Co., 1,581 cu. yd. concrete, 277,770 lb. reinforcing, 1,255 sq.yd. asphalt wearing surface, etc. $60,000. C. M. Upham, state highway engr. Noted Oct. 20.

Wis., Tomahawk—Feb. 17, by State Hy. Comn., at City Hall, Tomahawk, 4th St. Bridge, here, overall length 452 ft., plate girder type, 20 ft. roadway, 6 ft. cantilevered sidewalk, incl. six 75 ft. spans, 2 rein.-con. abutments. M. W. Torkelson, Madison, bridge engr.

Ia., Orange City—See "Streets and Roads."

Col., Denver—Feb. 18, by City Council, 112 ft. rein.-con. bridge, 60 ft., over Cherry Creek on York St. $45,000. J. B. Hunter, City Hall, engr.

Col., Lamar — See "Excavation and Dredging."

BIDS RECEIVED

Fla., West Palm Beach—Comrs. Palm Beach Co., opened bids Feb. 1, 8 bridges, from E. W. Parker, Curry Bldg., Tampa, $60,975; Champion Bridge Co., Wilmington, O., $87,347; Roanoke Bridge Co., Roanoke, Va., $88,793. Noted Jan. 26.

Tex., La Grange—Fayette Co. 197 ft. rein.-con. arch bridge across East Navida River, from R. G. Buckner & Sons, Cleburne, $25,934; De Puy & Ranney, San Antonio, $26,999; L. Robertson, Schulenburg, $27,087. Noted Jan. 26.

Tex., Abilene—Taylor Co. 200 ft. concrete girder bridge on State Highway 1, from F. P. McElwrath, Corsicana, $17,228; R. G. Buckner & Sons, Cleburne, $17,159; Oglesby-Mitchell Constr. Co., Cleburne, $18,917. Noted Dec. 15.

Colorado—State Hy. Dept., Denver, 150 ft. steel span truss bridge, concrete approaches, over Salt Creek on Sante Fe Trail, from W. L. Robbins, Florence, $36,210; Colorado Bridge & Constr. Co., Pueblo, $37,275; W. O. Morrison, 409 Cooper Bldg., Denver, $37,729. Noted Aug. 4.

CONTRACTS AWARDED

N. J., Avon—Bd. Freeholders Monmouth Co. (Freehold) Strauss Trunnion Bascule Bridge 43, over Shark River Inlet, between here and Belmar, to Pennsylvania Bridge Co., Beaver Falls, Pa., $113,800. Noted Jan. 12.

N. J., Sea Bright — Bd. Freeholders Monmouth Co. (Freehold) reconstructing Bridge s-32, over Strewsbury River, here, to R. J. Mansfield, 135 William St., New York, $48,400. Noted Jan. 12.

Pa., Phila.—For bridge on 49th St., to T. F. Riley, 3011 North 10th St., $99,000; bridge over Schuylkill River on 5th St., to Connor & Ley, 3621 North 5th St., $91,300. Noted Dec. 22.

Mo., Kansas City—Concrete bridge over Brush Creek, on Benton Blvd., to M. E. Gillioz, Monett, $140,398. Noted Dec. 15.

Tex., Ft. Worth—City Comrs. repairing Jennings Ave. viaduct to Austin Bros. Bridge Co., 1813 Clarence St., Dallas, $30,000.

Dams

PROPOSED WORK

N. C., Asheville—Lake Toxaway Hotel Co. plans concrete dam, 200 ft. long, 50 ft. at bottom, 10 ft. at top and 55 ft. high, on Toxaway River, to form lake. $150,000. C. W. Waddell, Asheville, engr.

Wis., Peshtigo—See "Miscellaneous."

Ia., Rutland—See "Industrial Works."

BIDS DESIRED

N. Y., Ilion — Mar. 4, by Bd. Water Comrs., (1) earthen dam, spillway and appurtenances and laying pipe, (2) furnishing and delivering c.i. pipe and specials. J. P. Wells, Cutler Bldg., Rochester, hydraulic engr.; adv. this issue.

Railways

PROPOSED WORK

North Dakota—Great Northern Ry., 175 East 4th St., St. Paul, Minn., plans 7.3 mi. second track from Surrey to Minot. $140,000. A. H. Hogeland, ch. engr.

Washington—Great Northern Ry. Co., 175 East 4th St., St. Paul, Minn., plans 9 mi. second track from Dean to Hillyard, $180,000; 2.7 mi. from Spokane to Ft. Wright, $54,000. R. Budd, pres. A. H. Hogeland, ch. engr.

CONTRACTS AWARDED

Washington—Northern Pacific Ry., L. C. Smith Bldg., Seattle, 22¼ mi. double tracking from Lamona to Bluestem, to Grant Smith & Co., Henry Bldg., Seattle. $300,000.

California—Minerets & Western R.R. Co. and Sugar Pine Lumber Co., 891 1st Natl. Bank Bldg., San Francisco, 35.5 mi. standard guage railway from Fresno into timber lands, to Warren Constr. Co., Rialto Bldg., San Francisco, and Journal Bldg., Portland, Ore., $800,000. (Bridges not included in above contract.) Noted Dec. 29.

Excavation and Dredging

PROPOSED WORK

Ill., Kankakee—Union D.D. 6, c/o J. F. Schmeltzer, engr., Manteno, making plans open ditch drainage work in Manteno and Bourbornaise Twps. $35,000.

Minn., Bemidji—Beltrami Co. making plans Judicial Ditch 45, 8 mi. open ditch, 300,000 cu.yd. excav. $55,000. A. D. Johnson, aud.

Mo., Agency—Platte River D.D. 2 making plans excavating in open ditch. $27,000. W. B. Hazen, Commercial Bldg., St. Joseph, engr.

BIDS DESIRED

Fla., West Palm Beach—Feb. 18, by Comrs. Palm Beach Co., for excavating 20 mi. Palm Beach Canal. R. F. Goodman, West Palm Beach, engr.

Ill., Robinson—Feb. 15, by Drainage Comrs., c/o M. D. Reed, Court House, drainage work incl. excavation and concrete work. $150,000. E. F. Mail, Court House engr. Noted Sept. 15.

Ia., Leon—Feb. 23, by G. A. Meek, aud. Decatur Co., 6 mi. new channel for Weldon River, D.D. 1, 275,000 cu.yd. excav. $29,000. P. S. Holbrook, 1106 21st St., Des Moines, engr.

Ia., Red Oak—March 7, by C. M. Nimrod, aud. Montgomery Co., 6 mi. open ditch, D.D. 8, 242,000 cu. yd. excav. $30,000. Noted Dec. 22.

Minn., Elk River—March 15, by Sherburne Co., Ditch 29, incl. 3 mi. open work, 28,059 cu.yd. excav., 67,971 ft. 8-30 in. tile, etc. $25,793. C. S. Wheaton, Jr., Aud.

Minn., Grand Rapids—Feb. 14 by Itasca Co., Ditch 10, 77.6 acres, clearing 130,579

Excavation and Dredging (Continued)

cu.yd. excav., 11,750 ft. road leveling, nine 30 ft. 15 in. culverts and five 15 ft. bridges, $45,000. H. A. LeSueur, co. engr.

Mo., Kennett—March 1, by D. D. 36, for 10.6 mi. main and 8.5 mi. lateral ditches, 1,203,000 yd. excav. C. E. Smith & Co., Railway Exch. Bldg., St. Louis, engrs.

Col., Lamar—Feb. 21, by C. Carver, secy. Kornman D.D., Room 7, 1st Natl. Bank Bldg., open drainage canal, 50,000 cu.yd. material in open cuts, 11,600 lin.ft. closed drain tile, 5 highway and private road bridges. G. H. Russell Eng. Co., Markham Bldg., engrs.

CONTRACTS AWARDED

Mo., Chillicothe—Bd. Supervs. Grand River D.D., 16 mi. of actual excavated cut-offs consisting of 35 cutoff channels to straighten Grand River, bottom widths 15-100 ft., in Livingston and Linn Counties. Contr. 1, 1,450,000 cu.yd. dragline work, Contr. 2, 1,300,000 cu.yd. dragline work, to J. D. Jones Constr. Co., Slaughter Bldg., Dallas, Tex., (1) $0.09½ per cu.yd.; McWilliams Dredging Co., 332 South Michigan Ave., Chicago, (2) $0.099 and $0.117. Noted Jan. 12.

Streets and Roads

PROPOSED WORK

Conn., Bridgeport—Plans concrete sidewalks, curbing and guttering, $75,000; repairing waterbound macadam and common dirt roads, $125,000; repairing 1 mi. North Main St. from North Ave. to Wentworth St., $25,000 and 2 mi. State St. from Main St. to end, $36,000, both asphalt; repairing sections of Fairfield and Stratford Aves., wood block, $25,000; bituminous macadam paving on various streets, $250,000. J. A. McElroy, city engr.

N. Y., Fulton—Plans paving 12 streets, 20 and 24 ft. $140,000. G. W. Hackett, City Hall, engr.

Va., Big Stone Gap—Soon takes bids paving, curbing and guttering various roads, concrete and wood block, $150,000 bonds issued. H. E. Fox, Big Stone Gap, engr.

Va., Covington—Mayor takes bids in spring paving various streets, concrete and wood block. $125,000. G. M. Carpenter, treas.

N. C., Ayden—Council authorized $225,000 bond issue paving various streets, concrete. R. C. Baggett, clk. Noted July 28.

N. C., Wilson—Council authorized $50,000 bond issue improving various streets, concrete, wood block, etc. T. A. Hinnant, clk.

Fla., Ft. Lauderdale—Broward Co. plans election to vote on $100,000 bonds for surfacing 8 mi. Ft. Lauderdale Canal Rd., 3 in. surface on 8 in. rock. State will be asked to appropriate $60,000 toward project; $60,000 bonds for surfacing 3 mi. Ocean Drive from Las Olas to Pampano, 3 in. surface on 8 in. rock; $200,000 bonds for surfacing 20 mi. Dixie Highway to Davie and other roads, rock base oiled for surface; $100,000 bonds rebuilding 12 mi. Dixie Highway, 3 in. penetration surface on 8 in. rock. F. A. Bryan, clk.

Fla., Lake Wales—Rejected bids opened Jan. 31, paving 175,000 sq. yd. J. W. Turner, Raymondo Bldg., Lakeland, engr. Noted Dec. 22.

Fla., St. Petersburg—Plans laying 150,000 sq.ft. concrete block sidewalks. $25,000. E. C. Garvin, St. Petersburg, engr.

Alabama—State voted $25,000,000 bonds for highways. State Highway Dept. will begin at once on its 1922 program which calls for expenditure of $5,000,000. W. S. Keller, Montgomery, state highway engr. Noted Dec. 8.

O., Cincinnati—See "Miscellaneous."

O., Cleveland—Plans widening, grading, curbing and paving East 79th St. from Euclid Ave. to Addison Rd. $150,000. R. Hoffman, City Hall, engr.

O., Lorain—Plans grading, curbing and paving 30 various streets. $721,000. C. C. Miller, City Hall, engr.

Mich., Detroit—Plans paving alleys between (1) Field, Sheridan, Canfield and Forest Aves., (2) McKinley, Roosevelt and Buchanan Aves. and Grand Trunk Ry., (3) Woodward, John R. and Owen Ave. and Leicester Court, (4) Drexel, Coplin, Essex and Freud Aves., (5) Firwood, Scotten, Seebaldt and Allendale Aves., (6) Lawton, Linwood, Hooker and Marquette Aves., (7) Belvidere, McClellan, Medbury and Gratiot Aves., (8) Holmur, Dexter, Blaine, and Carter Aves., (9) Clark, Scotten, Spring and Lafayette Aves., (10) John R., Brush and Westminster Aves. and Arden Park, (11) Grandy, Jos. Campau, Kirby and Ferry Aves., (12) Brush, Beaubien, Bethune and Smith Aves., (13) Park, Scotten, Dix and Toledo Aves., one course reinforced concrete. $37,190. C. W. Hubbell, city engr.

Ill., Columbia—Making plans vitr. brick and asphalt pavement, on concrete. $75,000. Fuller & Beard, Ry. Exch. Bldg., St. Louis, Mo., engrs.

Ill., Joliet—Making plans paving Meeker St., vitr. brick on rein.-con. $26,256. R. S. Calkins, Joliet Natl. Bank Bldg., engr.

Ill., La Grange—Opens bids about May 1, 50,000 sq.yd. pavement. $150,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Libertyville—Kelker-DeLeuw, engrs., 111 West Washington St., Chicago, take bids April 1, paving 2 mi. Milwaukee Ave., here. $150,000. J. Treptow, city clk.

Ill., Morris—Chamber of Commerce plans grading and gravel surfacing driveways, and landscape gardening, in Triangle Park. $30,000. F. L. Stephens, pres. Architect not selected.

Ill., Morris—Making plans paving 1.5 mi. Route 2, River Pike Rd., 18 ft., rein.-con., $45,000; road from here to Coal City, bituminous macadam on rein.-con., $35,000. C. H. Moon, Morris, engr.

Ill., Rockford—Takes bids about Feb. 20, 18 mi. bituminous macadam, 10 mi. rein.-con. and 2 mi. brick paving. $120,000. B. C. Harvey, Rockford, public engr. Noted Dec. 22.

Wis., Ashland—Making plans paving Main St., etc., 55,000 sq.yd. one course concrete or sheet asphalt, concrete curbs and gutters. $35,000. W. F. Reichardt, Watertown, engr.

Wis., Madison—Plans improving Bowen, Ghery and Eberhardt Courts, Hudson, Charter, Jenifer, Spaight, Ingersoll, Rutledge, Dunning, Lakeland, Milton, Blair, Miller, Vilas, Washington, Mills Dayton, Chamberlain, Van Hise, Ash, Chadbourne, 4th, Prospect, Johnson, South Carroll Fox, Sheldon, Knickerbocker, Pickford, Ray, Fairchild, Dayton and West Lawn Sts., Mifflin St. from 1st to North and from 1st to 3rd Sts., sheet asphalt, concrete and wood block. $570,734; also bridge across Yahara River on East Johnson St., $20,000. E. E. Parker, City Hall, engr.

Ia., Dubuque—Had plans prepared paving 5 mi. Jackson St. between 11th and 24th Sts., 21st, Alta Vista, Langworthy, Caledonia, Oxford and 10th Sts., brick, bitulithic, asphalt or vibrolithic, $150,000. W. Cullen, city engr.

Ia., Ottumwa—Making plans paving 25 blocks East Main St. $113,587. J. F. Brady, city engr.

Minn., Granite Falls—Yellow Medicine Co. plans grading 18 mi. various roads incl. road in Burton Twp. near St. Leo, 24 ft. $35,000. K. P. Caswell, Granite Falls, engr.

Kan., Garden City—Finney Co. plans improving 6 mi. Federal Aid Project 111, 40,000 cu.yd. grading, 58,000 sq.yd. concrete, etc. B. Allen, co. engr.

Missouri—State Hy. Dept., Jefferson City, plans 4.448 mi. road from Waynesville, northeastward, State Aid Project 20.137, Pulaski Co., 23,282 cu.yd. earth excav. and 89.4 cu.yd. concrete masonry, etc., $12,618; 3.494 mi. road from Dixon southward, State Aid Project 20.138, Pulaski Co., 24,152 cu.yd. earth excav. and 165.9 cu.yd. concrete masonry, etc., $12,608. A. Graham, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans 2.389 mi. road from Tuscombia to Pulaski Co. line, State Aid Project 20.126, Miller Co., 13,965 cu.yd. earth excav., 6,537 cu.yd. borrow and 65 cu.yd. concrete masonry, etc., $18,549; 2.914 mi. road from Browning to Brookfield, State Aid Project 20.130, Linn Co., 18,768 cu.yd. earth excav., 23,546 cu.yd. borrow and 105.9 cu.yd. concrete masonry, etc., $18,949; 3.231 mi. road from Monett to Eureka Springs, State Aid Project 20.142 Barry Co., 12,622 cu.yd. earth excav. and 14.9 cu.yd. concrete masonry, etc., $10,304; 0.598 mi. road from Fulton to Jefferson City, State Aid Project 20.143, Calloway Co., 6,992 cu.yd. earth excav. and 30.4 cu. yd. concrete masonry, etc., $17,230. A. Graham, state highway engr.

Tex., Beaumont—Jefferson Co. having preliminary estimates prepared grading and paving 7.4 mi. State Highway 40 from here to Voth, 25,000 cu.yd. earth excav., 70,463 sq.yd. concrete pavement, 346.5 cu. yd. concrete, $254,088; 1.86 mi. Highway 8 from here to Port Arthur, 1,000 cu.yd. earth excav., 17,460 sq.yd. concrete pavement, $59,158. B. F. Shipley, co. engr.

Tex., Beaumont—Jefferson Co. making plans grading concrete paving and bridges 17 mi. State Highway 3 from Amelia to county line, 1,395 cu.yd. concrete, 161,[illegible] sq.yd. concrete pavement, 85,020 lb. reinforcing. $602,000. B. F. Shipley, co. engr.

Tex., Big Springs—Howard Co. making plans grading and surfacing 15 mi. State Highway 9, 50,000 cu.yd. borrow, 44,[illegible] cu.yd. earth excav., 200 cu.yd. concrete, 20,000 lb. reinforcing. $28,175. R. W. Baker, co. engr.

Tex., Cameron—Milam Co. making plans grading, gravel surfacing and bituminous topping 10.5 mi. State Highway 36, 49,000 cu.yd. borrow, 14,000 cu.yd. roadway and 1,400 cu.yd. structural excav., 39,666 sq.yd. bituminous macadam, 329,328 cu.yd. gravel, 1,715 cu.yd. concrete, 105,000 lb. reinforcing and 22,000 lb. structural steel, $128,000. A. F. Mitchell, co. engr.

Tex., Clarksville—Red River Co. having plans prepared grading and gravel surfacing 8.5 mi. State Highway 5 from Lamar Co. line to Bagwell-Detroit Dist. line, 16 ft., $71,600; 5 mi. State Highway 5 from Detroit-Bagwell Dist. line to Clarksville Paris Rd., 16 ft., $50,787. G. W. Gaines, co. engr.

Tex., Falfurrias—Brooks Co. had preliminary estimates prepared grading and caliche surfacing 11 mi. Highway 12 from here to Kleburg Co. line, 1,175 cu.yd. concrete, 28,600 cu.yd. caliche surfacing, 72,600 lb. reinforcing. $88,750. J. T. Brooks, co. judge.

Tex., Jefferson—Marion Co. voted $500,000 bonds improving Highways 8 and 35, incl. bridges, etc. State and Federal Government appropriated $218,000 toward project. T. B. Worden, co. engr. Noted Jan. 12.

Tex., San Angelo—Tom Green Co. had preliminary estimates made grading, constructing crushed and gravel base, and bituminous topping 15.3 mi. San Angelo-Christoval-Del Rio Highway, 16 ft. $130,000. G. Gilchrest, San Angelo, engr.

Okla., Duncan—Plans constructing 25 blocks in residential section. $160,000. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., engrs.

Col., Denver—Plans paving 12 blocks Alley Paving Dist. 75, $20,220; Dist. 76, $20,630; Dist. 77, $21,405; Dist. 78, $19,081; Dist. 79, $20,601; Dist. 80, $21,022; Dist. 81, $29,625; Dist. 82, $28,753; all foregoing 16 ft., concrete; 12 blocks 10th Ave. Paving Dist. 1, asphaltic pavement on macadam, concrete gutter, $39,505. J. P. Hunter, City Hall, engr.

Cal., Modesto—Plans paving 12 blocks Needham Ave. between 9th and McHenry Sts., 11th St. between F and B Sts., and portion of B St.; resurfacing 41 blocks in business district, incl. 1½ in. asphalt. G. Freitas, city engr.

Cal. Oakland—G. Mattis, city engr., submitted estimate of cost for constructing 14,900 ft. road, 80 ft. wide, around estuary, hydraulic concrete. $375,000.

Cal., San Diego—Plans paving Laurel, Brant, Curlew, Union, Kalmia and Horton Sts., 265,589 sq.ft. 1½ in. asphaltic concrete, topeka top on 4 in. concrete, $62,000; Roseerans St., Chatsworth and Catalina Blvds., etc., 388,576 sq.ft. 4 in. asphaltic concrete, 14,000 cu.yd. excav. and 14,000 cu.yd. earth fill, etc., $112,000. F. A. Rhodes, city engr.

Ont., St. Thomas—Takes bids early in March paving Hiawatha, Mitchell and Mary Sts., asphaltic concrete, $35,000. W. N. Miller, City Hall, engr. Noted Nov. 3.

Ont., Sandwich—Essex Co. having plans prepared paving Talbot Rd., concrete, $50,000. Prices wanted on cement. W. M. Webb, c/o Hy. Dept., Essex, engr.

Ont., Toronto—Had plans prepared paving Chestnut Park Rd. $49,989, Crescent Rd. from Yonge St. to Cluny Ave., $24,317, 17,000 sq.yd. asphalt on concrete. R. C. Harris, city engr.

Ont., Toronto—Having plans prepared paving Ballenberg, Gales, Glenhill, Togarth, Ladysmith, Rhyl, Glenlake, Burgess and Kenilworth Aves., Patricia, Belhaven, Pinehurst and Glenmount Park Rds., 12,000 sq.yd. asphalt on concrete. $48,495. R. C. Harris, city engr.

BIDS DESIRED

Connecticut—Feb. 20, by C. J. Bennett, state highway comr., Hartford, paving sections of state highways in towns of Guilford, Cranby, Litchfield, Torrington, Goshen, Lebanon, Ridgefield, Thomaston, Thompson, Oxford and New Milford; adv. this issue.

Streets and Roads (Continued)

New York—Feb. 24, by H. S. Sisson, comr. highways, Albany, improving 3 mi. highway in Albany Co., 3 mi. Broome Co., 5 mi. Cayuga Co., 7 mi. Clinton Co., 3 mi. Erie Co., 9 mi. Genesee Co., 8 mi. Herkimer Co., 1 mi. Montgomery Co., 2 mi. Orleans Co. and 4 mi. Schenectady Co.

N. Y., New York—Feb. 15, by J. Miller, pres. Manhattan Boro. Municipal Bldg., repairing asphalt pavements in railroad area in Borough of Manhattan.

Pennsylvania—Feb. 28, by State Hy. Dept. Harrisburg reconstructing roads in Bradford, Butler, Venago, Blair, Centre, Clarion, Clearfield, Cumberland, Indiana, Montgomery, Perry, Snyder, Somerset and Washington Counties; G. H. Biles, Harrisburgh, asst. State Highway comr.; adv. this issue.

Pennsylvania—March 1, by State Hy. Dept. Harrisburg, reconstructing roads in Bradford, Clarion, Clearfield, Cumberland, Delaware, Indiana, Jefferson, McKean, Northumberland, Juniata, Perry, Venango, Allegheny and Westmoreland Counties, G. H. Biles, Harrisburg, asst. State Highway Comr.; adv. this issue.

Pa., Camp Hill—Feb. 28, paving 7,007 ft. Market St., concrete. $50,000.

W. Va., Bluefield—Feb. 28, at office of C. E. Ridley, city mgr., 54,000 sq.yd. paving; adv. this issue.

North Carolina—Feb. 24, by State Hy. Comn., Raleigh, improving 13.37 mi. State Project 577, Randolph Co., 46,700 cu.yd. excav. and borrow, 2,674 ft. 12-30 in. concrete pipe, 125,390 sq.yd. concrete or asphaltic pavement, 36,060 lb. reinforcing, etc., $400,000; 5.46 mi. State Project 731, Davie Co., 48,000 cu.yd. excav. and borrow, 1,400 cu.yd. rock excav., 1,270 ft. 15-24 in. concrete pipe, 57,200 sq.yd. concrete or asphaltic pavement, 36,060 lb. reinforcing, etc., $180,000; 5.58 mi. State Project 860, Mitchell Co., 83,600 cu.yd. excav. and borrow, 14,900 cu.yd. solid rock excav., 2,978 ft 18-30 in. concrete pipe, 42,680 sq.yd. waterbound macadam, 105,250 lb. reinforcing, etc., $105,000; 11.27 mi. State Project 154, Martin Co., 48,500 cu.yd. excav., 5,000 cu.yd. drainage ditch, 1,434 ft. 18-30 in. concrete pipe, 118,900 sq.yd. concrete or asphaltic pavement, 41,550 lb. reinforcing, etc., $385,000. C. M. Upham, state highway engr.

Fla., West Palm Beach—Feb. 18, by Comrs. Palm Beach Co., constructing 20 mi. road bed along south bank of Palm Beach Canal; 6 mi. hard surface road from Canal Point to Bacoms Point; 3 mi. road from Canal Point north along east shore of Lake Okeechobee; 15 mi. road bed from Belle Glade to Lee Co. line; 10 mi. road from Belle Glade on Hillsboro Canal to Pahokee. R. F. Goodman, West Palm Beach, engr.

Ohio—Feb. 17, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Paulding Co., Sect. "H" Van Wert-Paulding Rd., 6.01 mi., bituminous macadam, $154,740; Kentucky rock asphalt, $177,970; rein.-con., $198,961; bituminous concrete, $182,947.

Vinton Co., Sect. "C" McArthur-Gallapolis Rd., 2.95 mi., grading roadway and constructing bridges and culverts, $48,063.

Williams Co., Sect. "G-1" Bryan-Napoleon Rd., 4.09 mi. bituminous macadam, $98,716.

Pickaway Co., Sect. "New Holland" Cincinnati-Zanesville Rd., constructing rein.-con. beam bridge, over Hamilton Run, $4,155. L. C. Herrick, dir., highways.

Ohio—Feb. 21, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Athens Co., Sect. "P" Pomeroy-Athens Rd., 2.811 mi., btuminous macadam, $111,-333; brick, $142,848; state furnishing brick, $115,984.

Defiance Co., Sect. "A" Bryan-Ft. Wayne Rd., 4.075 mi., rein.-con. $135,630; Kentucky rock asphalt, $138,658; bituminous concrete, $138,568; bituminous macadam, $119,084.

Defiance Co., Sect. "A" Defiance-Paulding Rd., 5.226 mi., rein.-con., $181,570; Kentucky rock asphalt, $174,961; bituminous concrete, $174,961.

Defiance Co., Sect. "Sherwood" Paulding-Bryan Rd., 1.255 mi., rein-con., $51,422; Kentucky rock asphalt, $49,065; bituminous macadam, $43,279; bituminous concrete, $49,065.

Hamilton Co., Sect. "U" Cincinnati-Dayton Rd., 1.457 mi., bitulithic, $89,053; bitoslag, $89,053. L. C. Herrick, dir. highways.

Ohio—Feb. 24, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Coshocton Co., Sect. "F" Newcomerstown-Coshocton Rd., 4.184 mi., brick, $161,-240; state furnishing brick, $116,988; concrete, $128,314; bituminous macadam, $121,973.

Crawford Co., Sect. "K" Columbus-Sandusky Rd., 2.034 mi., brick, $88,131; state furnishing brick, $68,901; rein.-con., $74,830 bituminous macadam, $64,546.

Franklin Co., "A" Columbus-Millersburg Rd., 3.644 mi., rein.-con., $131,377; sheet asphalt, $154,931; bituminous macadam, $110,072; brick, $164,817; state furnishing brick, $124,877.

Huron Co., Sect. "Monroeville" Bellevue-Norwalk Rd., 0.614 mi., brick, $25,382; state furnishing brick, $18,346.

Logan Co., Sect. "A" Bellefontaine-Marysville Rd., 5.599 mi., rein.-con., $197,086. L. C. Herrick, dir. highways.

O., Cleveland—Feb. 15, grading, curbing and paving Adelbert Rd. from Euclid Ave. to point 1,460 ft. south, Aspinwall Ave. N. E., and East 155th St. from St. Clair Ave. N. E., to East 154th St., Edmonton Ave. N. E. from point 199 ft. west of East 130th to East 131st Sts., Everett Ave. N. E. from East 78th to East 80th Sts., Grandview Ave. S. E. from Woodhill Rd. S. E. to East 110th St., Mt. Overlook and East 121st St. from East Blvd. to Woodland Ave., Rosewood Ave. S. E. from Warner Rd. S. E. to lot 471, Wichita Ave. S. W. from Pearl Rd. S. W. to West 45th St., Woodside Ave. N. E. from Forest Hill Parkway subdivision to East 131st St., Zimmer Ave. N. W. from West 98th to West 100th Sts., East 94th, East 96th and East 97th Sts. from Lowell Ave. N. E. to Carr Ave. N. E., East 97th and East 98th Sts. from Hilgert Dr. S. E. to Dickens Ave. S. E., East 99th St. from Ramona Blvd. S. E. to Dickens Ave. S. E. East 119th St. from Miles Ave., S. E., to Putnam Ave. S. E., East 126th St. from Kinsman Rd. S. E. to Abell Ave. S. E., East 129th St from Iroquois Ave. S. E. to southerly city limits, East 153rd St. from Utopia Ave. N. E. to St. Clair Ave. N. E., West 21st Pl. from Holmden Ave. S. W. to Calvin Court S. W., West 94th St. from Denison Ave. S. W. to Maywood Ave. S. W. $200,000. R. Hoffman, City Hall, engr. Noted Dec. 8.

O., Cleveland—Feb. 15, by Comrs. Cuyahoga Co., grading and paving Front St. and Bagley Rd. to Berea Village line, 14,-500 sq.yd. asphalt. $50,585. F. J. Lander, Court House, engr.

Mich., Bessemer—Feb. 21, by State Hy. Dept. at office Bd. Rd. Comrs. Gogebic Co., grading and surfacing 9.651 mi. State Trunk Line Rd., 28-6, Sect. B, 90,508 sq.yd. bituminous macadam or gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Oxford—Feb. 15, by P. W. O'Connor Co., engrs., 250 Charles Ave., Grand Rapids, surfacing 68 mi. North Oxford Rd., 36,000 sq.yd. Class B gravel, for Oakland Co., $60,000.

Wis., Viroqua—Feb. 21, by E. J. Older, clk., paving 1.1 mi. Main and other streets, 15,523 sq.yd. one course rein.-con., vitr. brick, asphalt or warrenite bitulithic, 7,600 lin. ft. concrete curb and 7,600 lin. ft. concrete gutter. $35,000. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Ia., Harlan—Feb. 21, paving 12 blocks, various types. $50,000. R. E. Swain, clk. Noted Jan. 26.

Ia., Orange City—Feb. 16, by Auditor Sioux Co., grading 23.544 mi. Primary Rd. Project 83, 190,340 cu.yd. excav., 11,865 ft. 6 in., 8 750 ft. 8 in., 2,830 ft. 10 in. tile, etc.; also for 2 bridges and 68 culverts. Noted July 7.

Ia., Sac City—Feb. 14, by Auditor Sac Co., gravel surfacing 10.08 mi. Primary Rd. Project 106, from Oldebolt, north. 15.210 cu.yd. gravel; 18 mi. Secondary Rd. Dists. 9, 10, 11 and 12.

Minn., Litchfield—Feb. 17 by Meeker Co., Job 2201, 6 mi., 56,182 cu.yd. excav., 55,053 cu. yd. overhaul, $14,000; Job. 2202, 8 mi., 55,323 cu. yd. excav., 33,538 cu.yd. overhaul, $15,000; Job 2203, 3 mi., 32,736 cu.yd. excav. 136,553 cu.yd. overhaul, $4,500. C. H. Martz, co. engr.

Minn., Minneapolis—March 6, by Hennepin Co., paving 8 mi. Rockford Rd. from Robbinsdale to Hamel, concrete, tarvia, macadam or bitulithic. $240,000. E. E. Terrell, co. engr. Noted Jan. 26.

Minn., Willmar—Feb. 23, by S. Nelson, aud. Kandiyohi Co., 4 mi. State Rd. 5, Kandiyohi Co. and 1½ mi. State Rd. 8, Pope Co., 80,000 cu.yd. earth and 2,000 cu. yd. loose rock excav.; 669 lin.ft. of 12-24 in. concrete culverts, 4,000 cu.yd. gravel (load and haul), 8,360 lin.ft. of 6-10 in. tile. $25,000.

Okla., Oklahoma City—Feb. 15, by Clerk Oklahoma Co., grading and paving 2 mi. road, 15,320 sq.yd. asphalt or concrete, 6,394 cu.yd. earth excav., etc.; 3½ mi. road, 29,000 sq.yd. asphalt or concrete, 10,000 cu.yd. earth and 400 cu.yd. rock excav., etc.; 2 mi. road, 8,200 cu.yd. earth excav., 1,200 cu.yd. overhaul, etc.

Wash., Montesano—Feb. 20, by Grays Harbor Co., clearing, grubbing, grading and gravel surfacing 4.7 mi. Westport Pacific Co. Rd.; 5.5 mi. Porter-Oakville Rd. H. S. Shorey, Montesano, engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Feb. 1, grading, curbing and laying sidewalks on (1) Elmore Pl. (East 22nd St.) (2) Lenox Rd., (3) 19th Ave., paving (4) Elmore Pl. (East 22nd St.) curbing (5) Farragut Rd., from C. Gallagher, 745 Dean St., (1) $2,739; G. M. Mandatto, 129 29th St., (1) $2,786, (3) $5,045; F. Pursicano, (1) $3,105; Castle Bros., Inc., Johnson Pl., (2) $5,705; T. B. Scott, (2) $6,134, (3) $5,007; Simonelli & Son, Inc., 28 Conselyea St., Greenpoint, (Brooklyn, P. O.), (2) $6,332, (3) $4,996; Cleveland Trinidad Paving Co., Flushing, (4) $7,282, (5) $14,255; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (4) $7,448, (5) $14,563; Borough Asphalt Co., 1301 Metropolitan Ave., (4) $7,913, (5) $14,980. Noted Jan. 26.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Municipal Bldg., New York, opened bids Feb. 2, improving Ocean Parkway Traffic Rd. between Ave. W and Coney Island Creek Bridge, from Cranford Co., 52 9th St., $87,355; Borough Asphalt Co., 1301 Metropolitan Ave., $103,410; T. DiRoma, $118,400. Noted Jan. 26.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids Feb. 1, grading, curbing and laying sidewalks on (1) Olmstead Pl., paving (2) Olmstead Pl., (3) Purvis St., grading (4) Liberty Ave., sewers in (5) Liberty Ave., (6) Mueller St., from C. Kurth, 9519 126th St., Richmond Hill, (1) $401; Peace Bros., Inc., 20 Main St., Flushing, (1) $745, (6) $3,121; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (2) $870, (3) $5,610, (4) $193,257; Sicilian Asphalt Paving Co., 41 Park Row, New York, (2) $1,257; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (4) $162,582; Cleveland Trinidad Paving Co., Flushing, (3) $5,364, (4) $163,491; Uvalde Asphalt Paving Co., 1 Bway., New York, (3) $6,000; D. A. Gross, 8515 Fulton St., Woodhaven, (5a) $10,297, (5b) $10,296; J. F. Clancy, Inc., 460 Lockwood St., Astoria, (5a) $10,-789, (6) $2,539; Soviero & Britton, (5a) $11,574; F Spinella, 6102 18th Ave., Brooklyn, (5b) $11,024, (6) $3,250; H. J. Mullen Contg. Co., Fulton St., Jamaica, (5b) $12,-289. Noted Jan. 26.

N. J., Belvidere—Bd. Freeholders Warren Co. opened bids Feb. 1 paving and 2 span concrete bridge on Sect. 3, Washington-Buttzville Rd., White Twp., from Eng. Constr. Corp. of Phila., 69.75 per cent of engineers estimate ($155,205). Noted Jan. 12.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Jan. 31, grading, bridging and paving roads with (a) bitulithic, (b) bitoslag, (c) concrete, (d) rein-con., (e) asphaltic macadam, (f) tar macadam, (g) Kentucky rock asphalt, (h) asphaltic concrete, in following counties: Hamilton Co., Sect. "A" Cincinnati-Brookville Rd., 4.075 mi., from Buckeye Constr. Co., Youngstown, (a) $265,048, (b) $265,-048; Scully Bros., Harrison Pike, Cincinnati, (a) $283,760, (b) $286,189; E. Hine & Son, Harrison, (a) $291,262; Radebaugh-Graham Co., Columbus, (b) $292,763. Hamilton Co., Sect. "B" Cincinnati Brookville Rd., 4.677 mi., from Gradison Constr. Co., 701 First Natl. Bank Bldg., Cincinnati, (c) $216,281; Radebaugh-Graham Co., Columbus, (c) $220,951; Bigler Bros., Middletown, (c) $228,539. Fulton Co., Sect. "M" Toledo-Wausson Rd., 1.004 mi., from Le Baiteaux & Hayes, Toledo, (d) $24,706; Lewis & Copeland Lima, (d) $24,824; R. C. Roach, Waterville, (d) $25,595; J. A. Elder, Bryan, (e) $21,036, (f) $21,130; Scott Constr. Co., Lima, (e) $21,763, (f) $21,763; R. Stone Constr. Co., Lima, (e) $21,763. Fulton Co., Sect. "Fayette" Archbald-Fayette Rd., 0.478 mi., from J. A. Elder, Bryan, (c) $29,638; Le Baiteaux & Hayes, Toledo, (c) $29,930; H. J. Shaw Co., Toledo, (c) $30,981. Putnam Co., Sect. "M" Van Wert-Ottawa Rd., 2.865 mi., from Newell & Smith, Defiance, (g) $70,-060; Acton Bros., Vaughnsville, (e) $57,-835, (g) $73,931, (h) $75,100; Creager Bros.,

Streets and Roads (Continued)

Liberty Center, (g) $73,534; S. Putnam, Van Wert, (e) $62,839; Blauser & Schultz, Paulding, (h) $64,781; Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, (h) $75,004. Putnam Co., Sect. "Ottoville" Van Wert-Ottawa Rd., 0.505 mi., from J. W. Carey, Ada, (g) $12,974; Acton Bros., Vaughnsville, (e) $9,808, (g) $12,721, (h) $13,682; Foster-Haffner Co., Dayton, (g) $13,611; S. Putnam, Van Wert, (e) $11,156; Blauser & Schultz, Paulding, (h) $11,294; Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, (h) $13,247. Noted Jan. 12.

Ia., Marion—Council opened bids Jan. 23, 346,200 sq.ft. sidewalk and 19,500 cu.yd. excav., from Cole & Fauber, West Frankfort, $99,406; G. Foulkes, 705 Ohio St., Terre Haute, Ind., $105,948; Mitchell Constr. Co., Marion, $106,500.

Tex., Bastrop—Bastrop Co. grading and gravel surfacing (1) 8.8 mi. State Highway 29, Austin-Houston Highway, 5 acres clearing, 17,214 cu.yd. borrow and 20,060 cu.yd. roadway excav., 229 cu.yd. concrete, 16,487 lb. reinforcing, 16,030 cu.yd. gravel surfacing to be furnished by county at pit; (2) 9.68 mi. State Highway 20, 28,497 cu. yd. borrow, 24,278 cu.yd. roadway excav., 695.8 cu.yd. concrete, 38,500 lb. structural and 53,703 lb. reinforcing steel, 17,632 cu. yd. gravel; from W. C. Moore, Smithville, (1) $32,718; Brown & Root, Georgetown, (1) $33,509, (2) $64,581; R. G. Buckner & Sons, Cleburne, (1) $33,941, (2) $62,573 Ward, Clark & Morrell, Atasca, (2 $65,893.

Tex., Dallas—Dallas Co. grading, surfacing and paving .25 mi. Fort Worth Pike, 8,860 sq.yd. concrete, 1,500 cu.yd. roadway excav., 44,300 lb. reinforcing, from B. O. Gilstrap, Iowa Park, $23,935; Seguin & Eppes, Dallas, $25,794; Tibbetts Constr. Co. Box 179, Mineral Wells, $26,360. Noted Jan. 5.

Tex., La Grange—Fayette Co. opened bids Jan. 31, grading and gravel surfacing 3.21 mi. State Highway 3, State Aid Project 256, from R. G. Buckner & Sons Cleburne, $12,196; Starkey & Smith, 303 Stewart Bldg., Houston, $13,003; S. D Jackman, San Marcos, $13,771; 7,836 cu.yd gravel surfacing furnished by county $16,835.

Tex., Marling—Falls Co. surfacing 6.78 mi. State Highway 2, through Precinct 1, 67,567 sq.yd. bituminous macadam, (a) 1 in. rock asphalt cold, (b) 1½ in. bituminous treatment limestone, (c) 1½ in. rock asphalt cold, (d) 1½ in. rock asphalt cold, from Texas Road Co., Southwestern Life Bldg., Dallas, (a) $47,439; W. E. Dozier, Austin Natl. Bank Bldg., Austin, (a) $49,472, (c) $65,732, (d) $58,282; J. E. Ward, 510 Slaughter Bldg., Dallas, (b) $39,306.

Cal., Modesto—Improving Maynell Ave. from Standard Paving Co., 1411 9th St., 17,790 sq.ft. 1½ in. bitulithic on 2½ in. asphaltic concrete, $0.17 per ft.; 19,585 sq.ft. grading, $0.10; 1,191 lin.ft. curbing, $0.70; 1,794 sq.ft. gutter, $0.20.

Cal., Newman—Improving 10 blocks various streets, from Warren Constr. Co., Rialto Bldg., San Francisco, $144,636; Clark & Henery Constr. Co., 38 South Sutter St., Stockton, $153,925; Federal Constr. Co., Call Bldg., San Francisco, $154,233. Noted Jan. 12.

Cal., Sacramento—Supervs. Sacramento Co. constructing 2,056 ft. River Rd. from end of concrete pavement on Sacramento levee Sect. 3, Highway 14, 537 cu.yd. concrete, from T. M. Burns, 2207 N. St., $12.40 per ft.; Genl. Constr. Co., Sharon Bldg., San Francisco, $13.60 per ft.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, grading, curbing and paving Utica Ave., etc., to C. Gallagher, 745 Dean St., $22,110. Noted Jan. 26.

Virginia—State Hy. Comn., Richmond, paving 5.36 mi. road between Williamsburg and Lee Hall, James City and Warwick Counties, 18 ft., concrete, to S. E. Lee Constr. Co., Emporia, $152,219. Noted Jan. 26.

W. Va., Kingwood—Preston Co. paving 1½ mi. road from Ruthbell to Valley Point, concrete, to Marrara & Tresino, Albright, $44,783.

Fla., Palatka—Paving and curbing 10,000 ft., to T. B. Gillespie, Palatka, 13,000 sq.yd. vitr. brick paving, $2.44, 20,000 lin. ft. concrete curbing, $0.30. Noted Dec. 23.

Fla., West Palm Beach—Palm Beach Co. surfacing 7 mi. Military Rd., 9 in. rock, treated with tarvia, (latter furnished by county), and one 75 ft. wooden bridge, etc., to Greynolds & Monroe, Inc., West Palm Beach, $65,569. Noted Jan. 26.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 6.9 mi. Sect. "B" Springfield-Jamestown Rd., Greene Co., bituminous macadam, to N. B. Putnam, Van Wert, $123,523; 3.265 mi. Sect. "S" Cleveland-Wooster Rd. and 0.347 mi. Sect. "Medina South" Cleveland-Wooster Rd., Medina Co., concrete, to F. J. Mann & Son, Ashland, $96,249 and $10,520 respectively; 854 ft. Sect. "Marysville" Columbus-Marysville Rd., Union Co., concrete, to Renick & Smith, Columbus, $7,997; 1.872 mi. Sect. "A" Paulding-Bryan Rd., Defiance Co., rein.-con., to J. A. Elder, Bryan, $52,678; 4.053 mi. Sect. "G" Mt. Vernon-Newark Rd., Licking Co., rein.-con., to J. F. Stambaugh, Ada, $129,720; 2.427 mi. Sect. "S" Akron-Youngstown Rd., Portage Co., bituminous concrete, to Mahoning Constr. Co., Warren, $72,897. Noted Jan. 26 and Feb. 2.

Ill., Benton—Paving and building storm sewers in North Main and South Main Sts., to Hamilton Constr. Co., Carbondale, $41,375 and $44,175 respectively. Noted Dec. 29 and Jan. 5.

Minn., Austin—Mower Co., Jobs 2201, 2202, 2204, 2205, 2206 and 2207, grading to Cameron Joyce Co., Keokuk, Ia., $109,084; culverts (concrete monolithic) to H. F. Garbisch, Austin, $9,474; metal material to Lyle Corrugated Culvert Co., 171 27th Ave., S. E., Minneapolis, $8,356. Noted Jan. 12.

Tex., Dallas—Dallas Co. improving 18.4 mi. Irving Coppell Rd., (a) grading, scarifying, reshaping, surfacing with macadam base, and 8.7 mi. gravel surfacing, (b) 9.7 mi. surface treatment, (c) concrete drainage structures, involving 115,400 cu.yd. earth and 890 cu.yd. structural excav., 102,000 sq.yd. bituminous macadam, 46,000 cu.yd. gravel, 15,200 cu.yd. crushed stone, 80,000 lb. structural and 12,000 lb. reinforcing steel, 240 cu.yd. concrete, to Scarbrough, Smith & Davis, Cleburne, (a) $109,372; Texas Road Co., Southwestern Life Bldg., (b) $61,580; A. Jackson, 2806 Bryan St., (c) $20,998. Noted Dec. 29.

Tex., Ft. Worth—Tarrant Co. grading and gravel surfacing Kennedale-Dallas Rd., 16 ft., to D. H. Purvis, Ft. Worth, $28,844.

Tex., Jasper — Jasper Co. grading and gravel surfacing 11.2 mi. State Highway 8, Federal Aid Project 238, 23,499 cu.yd. borrow, 67,772 cu.yd. roadway excav., 733.6 cu.yd. concrete, 61,657 lb. reinforcing (23,356 cu.yd. shipped gravel to be furnished by county, $52,555), to J. Thompson, San Augustine, $69770. Noted Jan. 26.

Tex., Marlin—Falls Co. surfacing 6.78 mi. Highway 2, through Precinct 1, to W. E. Dozier, Austin Natl. Bank Bldg., Austin, $50,000. Noted Dec. 27.

Okla., Wynnewood—For 19,440 sq.yd. 3 in. brick paving to Cook & Stucker, Ottawa, Kan., $91,470. Noted Jan. 5.

California—State Hy. Comn., Sacramento, grading 6.1 mi. road between Cuyama River and Buckhorn Creek, Santa Barbara Co., corrugated metal pipe, to Warren Constr. Co., Journal Bldg., Portland, Ore., and Rialto Bldg., San Francisco, $153,256. Noted Feb. 2.

Cal., Modesto—Improving 11th St. between F and B Sts. and B St. between 10th and 11th Sts., to Standard Paving Co., 1411 9th St., 111,645 sq.ft. 1½ in. bitulithic surface, 3 in. asphaltic concrete, $0.17 per ft., 112,327 sq.ft. grading, $0.05, 434 lin.ft. curbing, $0.70, 681 ft. gutters, $0.20, 4,191 ft. headers, $0.12.

Cal., San Diego—Paving and curbing portions of Ft. Stockton Dr., Sunset Blvd. and St. James Place, to G. R. Daley, McNeece Bldg., 149,879 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete, $0.22, 45,778 sq. ft. 1½ in. asphaltic concrete on 3 in. asphaltic concrete, $0.185, 1,064 lin.ft. concrete curbing, $0.65, total $42,240.

Industrial Works

PROPOSED WORK

Me., Portland—Cumberland County Power & Light Co., power plant to Foundation Co., 233 Bway, New York, $800,000. Above company will also prepare plans for project. Noted Jan. 19.

R. I., Providence—Jenks & Ballou, engrs., 10 Weybosset St., receive bids about March 1, service station, for Narragansett Electric Lighting Co., Turks Head Bldg., incl. 4 story, 42 x 154 ft. office building, with 42 x 70 ft. wing, 3 story, 101 x 223 ft. light storage building and 1 story, 120 x 223 ft. heavy storage building, all foregoing mill construction; 1 and 2 story, 115 x 17[illegible] rein.-con. garage; 1 and 2 story, 45 x [illegible] ft. brick and concrete power house, 1 story, 28 x 93 ft. oil house with 17 x [illegible] ft. ell; 2 story, 10 x 17 ft. gate house, [illegible] 10 ton traveling cranes and three 1 [illegible] cranes, three freight elevators and [illegible] passenger elevator, 2,800 sq.yd. granite block paved roadway, 850 ft. of 12 in. [illegible] 690 ft. of 6 in. sewer, 2,000 ft. railroad siding, 100,000 gal. sprinkler tank [illegible] tower, 30,000 cu.yd. excav., also miscellaneous appurtenances for complete plant.

Conn., East Hartford—(Hartford P. O.) —F. C. Waltz, archt., 407 Trumbull St., Hartford, preparng plans 1 story, 80 x [illegible] ft., concrete, brick and steel garage and repair shop, Connecticut Blvd. $40,000. Owner's name withheld.

Conn., South Norwalk—Harris & Gans, 70 Water St., having plans prepared by A. S. Meloy, archt., 2965 Main St., Stratford, 2 story, 36 x 70 ft., brick and steel factory, plain foundation, Water St.

Pa., Altoona—Confederated Home Abattoir Co., 123 Willow Ave., plans 3 story, 100 x 130 ft. concrete and brick plant, Eldorado Rd. $150,000. F. Rider, secy.

Pa., Johnstown—Leopold Bakery, Haynes St., opens bids about April 1, 3 story, 50 x 120 ft. rein.-con., brick and steel bakery, plain foundation, Haynes St. $150,000.

Pa., Venice—Gilmore Coal Co., Oliver Bldg., Pittsburgh, soon lets contract for 1 story, 32 x 93 ft. power house here. $50,000. T. E. Cornelius, Magee Bldg., Pittsburgh, engr.

Md., Baltimore—Amer. Ice Co., Calvert Bldg., plans ice storage plant, brick, Cough and Register Sts. $50,000. W. E. Engliss, c/o owner, archt.

Md., Baltimore—Maryland Steel Rolling Co., 203 Fidelity Bldg., plans factory, 6th and Monument Sts. $85,000.

N. C. Hertford—Council has authorized $100,000 bonds to be sold for light, water and ice plant. B. G. Koonce, town clk.

N. C., High Point—Wilson Motor Co. takes bids in spring or summer, 3 story, 75 x 100 ft., brick and concrete garage, $75,000. Architect not selected.

N. C., Wilson—Town authorized $70,000 bond issue for light and water power plant. T. A. Hinnant, clk.

Miss., Collins—See "Waterworks."

Ky., Louisville — Joseph & Joseph archts., 800 Francis Bldg., soon take bids 2 story, 60 x 200 ft., rein.-con., brick and steel garage, 3rd and York Sts., for Haury Motor Co., 811 South 3rd St. Cost between $60,000 and $100,00. Excavating let to H. Bickel Co., 443 Garden St., Louisville.

O., Cleveland—See "Buildings"

Ind., Evansville—Bucyrus Steam Shovel Plant, Decker Rd., plans 1 story, 120 x 240 ft., mill construction factory. $40,000. Private plans.

Ill., Chicago—Ludgin & Leviton, archts., 53 West Jackson Blvd., soon takes bids 1 story, 87 x 185 ft. garage, rein.-con., brick and steel, 61st St. and Kenwood Ave. $50,000. Owner's name withheld.

Ill., Chicago — Michaelson & Rognstad, archts., 3815 West Congress St., making plans 1 story, 80 x 144 ft. foundry and machine shop, rein.-con., brick and steel. $60,000. Owner's name withheld.

Ill., Fairbury—City plans brick and steel electric light plant. $50,000. W. Foster mayor. Engineer not selected.

Ill., Morris — Chicago, Rock Island & Pacific R.R., La Salle St. Sta., Chicago, plans 1 story car shop, brick and steel here. $50,000. J. G. Gorman, pres. Private plans.

Ill., Morrison—Illinois Refrigerator Co. plans 1 story, factory addition, brick and steel, $40,000. Private plans.

Wis., Clinton Junction—Bowman Dairy Co., 140 West Ontario St., Chicago, having plans prepared by F. B. Gray, archt., 844 First Natl. Bank Bldg., Aurora, Ill., 1 story, 57 x 200 ft., bottling plant, brick, concrete and stone, here. $60,000.

Wis., Ellis Junction (Crivitz P. O.)—Wisconsin Public Serv. Co., 425 East Water St., Milwaukee, having plans prepared by Mead & Seastone, archts., State Journal Bldg., Madison, two 1 story hydro-electric plants, along Peshtigo River, first to have 41 ft. head, 2,600 hp. $200,000.

Wis., Marinette—Hagemeister Products Co., Manitowoc Bldg., Green Bay, plans 2 story, 120 x 125 ft. rein.-con., brick and steel factory, plain foundation, Marinette Ave., here. $100,000. G. Schober, Secy. Architect not selected.

Industrial Works (Continued

Wis., Milwaukee—A. Kaufman, 1325 Vliet St., having plans prepared by R. B. Williamson, archt., Bway. Bldg., 1 and 2 story, 32 x 160 ft. concrete and brick garage, plain foundation, 7th and Walnut Sts. $40,000.

Wis., Milwaukee—Lincoln Warehouse & Van Co., 226 4th St., having plans prepared by G. Leipold, archt., 160 Martin St., 6 story, 120 x 160 ft., brick and concrete warehouse, plain foundation, 3rd and Prairie Sts. $200,000. Noted Jan. 19.

Wis., Milwaukee—Union Transfer Co., 19 West Water St., plans 6 story, brick and concrete storage warehouse, plain foundation. $200,000. Architect and engineer not selected

Wis., Prairie du Chien—Prairie du Chien Woolen Mill Co. having plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., La Crosse, 2 story, 47 x 187 ft. rein.-con., brick and steel factory. $200,000.

Ia., Rutland—Union Utilities Co. having plans prepared by Toltz, King & Day, engrs., 1410 Pioneer Bldg., St. Paul, Minn., rein.-con. power house and dam. $150,000.

Minn., St. Paul—Daily News Publishing Co., 94 East 4th St., receives bids about March 1, 6 story, 75 x 135 ft. plant and office, rein.-con., brick, tile and stone, 4th St. between Cedar and Minnesota Sts. $225,000. Toltz, King & Day, 1410 Pioneer Bldg., archts.

Kan., Columbus—Baldwin Garage Co. making plans 1 story, 120 x 156 ft., steel, brick, rein.-con. and stone garage. $50,000. Private plans.

Cal., Stockton—H. S. Dawson, having preliminary plans prepared by G. Allen, archt., 37 South Aurora St., 1 story, garage, Oak St. between California and American Sts. $45,000.

Cal., Stockton—H. S. Dawson soon takes bids 2 story, rein.-con. addition to warehouse, 630 California St. $40,000.

BIDS DESIRED

Conn., New Haven—D. E. Smith, archt., 152 Temple St., taking bids 1 story, 160 x 200 ft., brick and steel factory and 1 story, 10 x 50 ft. boiler house, Allington Ave. $100,000. Owner's name withheld. Noted Jan. 26.

Conn., South Norwalk—H. Jacobs & Sons, Day St., taking bids 1 story, 50 x 185 ft. warehouse and 2 story, 60 x 120 ft. factory addition, both brick and steel, plain foundations, Day St. $65,000. A. S. Maloy, 2965 Main St., Stratford, archt.

Va., Danville—R. A. James, Jr., owner Register Publishing Co., 115 South Union St., receiving bids 2 and 3 story, 50x100 ft. printing plant and office building rein.-con. and steel, plain foundation, Union and Patton Sts. $55,000.

Va., Kimbalton—R. K. Meade & Co., archts. and engrs., 11 East Fayette St., Baltimore, Md., receiving bids 2 story, concrete, steel and brick factory, Norfolk St. and along Western R.R. tracks, here, for Kimbalton Lime Co., Shawsville. $85,000.

O., Sandusky—Sandusky Portland Cement Co. taking bids rein.-con. and steel factory buildings. $100,000. Private plans.

Ill., Chicago—L. G. Hallberg, archts., 116 South Michigan Ave., receiving bids 2 story, 100 x 120 ft. factory, rein.-con., brick and steel, 29th St. and Western Ave., for D. J. Malloy, 633 Plymouth Court. $100,000. Noted March 17.

Ill., Chicago—Singer & Perlstein, archts., 30 North La Salle St., receiving bids, 7 story, 32 x 102 ft. warehouse and office, Orleans St. near Kinzie St., for C. Marty & Co., 216 West Ohio St. $150,000.

Ill., Park Ridge—Feb. 15, by Northwestern Ice Co., 1 story, 50 x 130 ft. plant, brick, rein.-con. and stone. $40,000. W. C. Robinson, pres. Architect's name withheld.

Wis., Milwaukee—Lesser & Schutte, archts., 82 Wisconsin St., taking bids 1 story, 30 x 120 ft. warehouse and business building, brick, plain foundation, Lincoln Ave. near 8th St., for Kosciuszko Furniture Co., 645 Lincoln Ave. $50,000.

Cal., San Francisco—A. Burgren, archt., 110 Sutter St., receiving bids 2 story, steel and brick factory, 13th and Mission Sts., for Pacific Embroidery Co., 130 Sutter St. $50,000. Steel work let to Dyer Bros., 17th and Kansas Sts.

CONTRACTS AWARDED

R. I., Providence—Lockwood—Greene & Co., archts. and engrs., 60 Federal St., Boston, Mass., 1 story, 200 x 250 ft. shop and 2 story, 45 x 99 ft., office, both brick and steel, Sims Ave., to C. B. Maguire Co., 10 Weybosset St., for Textile Furnishing Mchy. Co., 171 Westminister Ave. $225,000. Noted Dec. 8.

R. I., Woonsocket—Lafayette Worsted Co., Hamlet Ave., will build 3 story, 70 x 200 ft., mill construction addition by day labor. W. F. Fontaine, Federal Bldg., archt.

Conn., Boardman—New England Lime Co., 226 Main St., Danbury, rebuilding lime plant, brick, here, steel contract to Berlin Constr. Co., Berlin; balance of work by day labor. $100,000. Private plans. Noted Jan. 12.

Conn., Hartford—J. Reibert, Mountain Rd., West Hartford, 1 story, 52 x 220 ft., concrete, brick and steel garage and repair shop, Park St., here, to Sena Bros., 118 Park St. $50,000. Noted Jan. 26.

Conn., Springdale (Stamford P. O.)—Segal Lock Co., 1 story, 40 x 85 ft., concrete, brick and steel factory, plain foundation, to Tucker & Lewis, 101 Park Ave., New York.

N. J., Camden—H. Read, 1103 Hadden Ave., 1 story, 67 x 100 ft. brick garage, plain foundation, 1105 Haddon Ave., to A. White, 1139 Sheridan St. $40,000.

Pa., Carbondale—J. H. Paul, 1 story, 80 x 150 ft. rein.-con. and steel garage, plain foundation, to Austin Co., Bulletin Bldg., Phila. $50,000.

W. Va., Bluefield—Bluefield Ice & Cold Storage Co., general contract for ice plant, Bluefield Ave. and Poplar St., to G. C. Bright Co., Marquette Bldg., Detroit, Mich. Total $60,000.

Ind., Muncie—Ball Bros. Glass Mfg. Co., 9th St. near Macedonia St., will build 2 story, 90 x 300 ft., brick and steel storage and manufacturing plant, by day labor. $150,000.

Mich., Detroit—T. J. Doyle, 4162 Woodward Ave., 1 story, 60 x 451 ft. rein.-con., brick and steel garage and service station, plain foundation, Jefferson Ave., to Bryant & Detwiler, 2336 Dime Bank Bldg. Noted Jan. 5.

Mich., Lansing—Bd. Water & Electric Light Comrs., general contract for 150 x 260 ft. power plant, to F. H. Davis, 1838 Penobscot Bldg., Detroit; electrical equipment to Hatzel & Buehler Inc., 373 4th Ave., New York, $219,412. Total cost, $1,-000,000. Noted Dec. 1.

Ill., East St. Louis—Obear Nestor Glass Co., Bway. and Belt St., 1 story factory, Bway. and Belt St., to F. Gauschemetz, 501 North 18th St.

Wis., Green Bay—Nelson Mchy. Co., 131 North Pearl St., 3 story, 42 x 65 ft. warehouse, brick and concrete, plain foundation, to H. J. Selmer Co., McCartney Natl. Bank Bldg., $45,000.

Ill., Peoria—Peoria Auto Parts Co., 2 story, 60 x 100 ft. garage, brick, steel and stone, to F. Harbers & Son, Central Natl. Bank Bldg., $120,000. Noted Feb. 2.

Mo., Leeds—Wilson Slaughtering Device Co., 511 Amer. Bank Bldg., Kansas City, 2 story, 30 x 140 ft. serum plant, rein.-con., brick and hollow tile, here, by day labor. $50,000. Private plans. Noted Feb. 2.

Mo., St. Louis—H. Horowitz, 390 Arcade Bldg., 3 story, 134 x 250 ft., rein.-con., brick and terra cotta industrial building, Olive and Bomont Sts., by day labor. $150,-000. O. J. Popp, Odd Fellows Bldg., archt. Noted Jan. 12.

Kan., Wichita—W. P. Innes, 1112 North Lawrence Ave., 1 story, 85 x 147 ft. garage, Douglas and Indiana Sts., to Henrion Impvt. Co., 710 Schweiter Bdg. Noted Jan. 26.

Buildings

PROPOSED WORK

Mass., Winchester — High School—Town plans brick school, Main St. $350,000. R. C. Sturgis, 120 Boylston St. Boston, archt.

Conn., Bridgeport—Church and Convent—Blessed Sacrament Roman Catholic Church having plans prepared by J. A. Jackson, archt., 185 Church St., New Haven, 1 story, brick and steel, Union Ave. $150,000. J. J. Duggan, 275 Union Ave., pastor.

Conn., Bridgeport—Y. M. C. A., Main and Gilbert Sts., plans, modern construction, $400,000. Architect not selected.

Conn., Hartford—Business—E. M. Stone, engr. and archt., 327 Trumbull St., lets contract about March 15, 9 story, rein.-con., brick and steel, plain foundation, Pratt St., for Hudson Estate, c/o architect. $350,000.

Conn., Hartford—Hospital—C. J. Malmfeldt, archt., 206 Trumbull St., opens bids about March 1, 7 story, 50 x 160 ft., rein.-con., brick and steel, plain foundation, Hudson St., for Hartford Hospital, 20 Hudson St. $500,000. Noted Jan. 19.

Conn., Middleton — Library — Wesleyan University, 374 High St., plans library, College grounds. $250,000. Architect not announced.

Conn., Wallingford—Theatre and Stores—G. H. Wilkinson, 12 North Main St., having plans prepared by L. Thompson, archt., 586 Corbin Ave., New Britain, 1½ story, 70 x 150 ft., brick, Center St. $150,000.

Conn., West Haven (New Haven P. O.)—Theatre and Stores—C. C. Spreyer, et al, 167 Campbell Ave. having plans prepared by Della Valle & Vece, archts., Exchange Bldg., 2 story, 90 x 150 ft. concrete and brick, Campbell Ave. and Blohm St. $150,-000. Noted Jan. 12.

N. Y., Buffalo — School — Assumption Church, 435 Amherst St., plans 3½ story, rein.-con., brick and steel, Germain St. $200,000. L. S. Hordych pastor.

N. Y., Hornell—High School—Bd. Educ soon takes bids for brick and stone, brick foundation. $450,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs. Noted March 17.

N. Y., Long Beach—Hotel—Alexandria Hotel Co., c/o Severance & Van Alen, archts. and engrs., 372 Lexington Ave., New York, having sketches made, brick, steel and stone, plain foundation, Boardwalk, here. $1,000,000.

N. Y., New York—Bank—Citizens Savings Bank, 58 Bowery, having plans prepared by C. W. Brazer, archt. and engr., 1133 Bway., brick, steel and stone, plain foundation. $400,000.

N. Y., New York — Faculty — McKim, Mead & White, archts. and engrs., 101 Park Ave., soon let contract brick, steel and stone, plain foundation, Morningside Dr. and 117th St., for Columbia University, Morningside Heights. $200,000. Noted Feb. 2.

N. Y., New York—Office—New York State Realty & Terminal Co., c/o Cross & Cross, archts. and engrs., 681 5th Ave., soon takes bids 13 story, 100 x 125 ft., brick, steel and stone, plain foundation, 395 Madison Ave. $1,000,000.

N. Y., New York—Office—Plumbers Trade Journal Publishing Co., 25 West 34th St., plans 6 story, brick, steel and stone, plain foundation, on lot 37 x 100 ft., 239 West 30th St.

N. Y., New York—Office—Prudence-Bonds Corp., 31 Nassau St., having plans prepared by Severance & Van Alen, archts. and engrs., 372 Lexington Ave., 14 story, 66 x 100 ft., Madison Ave. and 43rd St.

N. Y., New York—School—Bd. Educ., 500 Park Ave., plans brick, steel and stone, plain foundation, on plot 237 x 285 ft., East 179th St. between Mohegan and Honeywell Aves.

N. Y., Niagara Falls—Schools—E. J. Fort, city mgr., 251 2nd St., plans rein.-con., brick and steel schools. $3,000,000. Associated Architects of Niagara Falls, Niagara Falls N. Y., archts.

N. J., Bridgeton—Hotel—R. McAllister, Bridgeton, representing company which is having preliminary plans prepared by Dreher, Churchman, Paul & Ford, archts., 1424 Walnut St., Phila., 6 story, 100 x 130 ft., Commerce and Pearl Sts. $500,000. Noted June 23.

N. J., Chelsea (Atlantic City P. O.)—Apartment — S. Abrahamson, archt., Lafayette Bldg., Phila., opens bids about March 1, 3 story, 105 x 150 ft., cut stone, plain foundation, Atlantic and Bovers Aves., here. $250,000. Owner's name withheld.

N. J., East Orange—Apartment—D. M. Ach, archt. and engr., 1 Madison Ave., New York, prepared plans 7 story, brick, steel and stone, plain foundation, Harrison St., here. $500,000. Owner's name withheld.

N. J., Newark—Office—R. Schumann, Inc., c/o R. C. Klemm, archt. and engr., 9 Clinton St., having preliminary plans prepared 6 story, brick, steel and stone, plain foundation, 23-25 Hill St. $250,000.

N. J., Vineland—Hospital—Stearns & Woodnut, archts., Stephen Girard Bldg., Phila., take bids about Mar. 17, 2 and 3 story, cut stone, plain foundation, here, for Vineland Hospital Assn., c/o T. P. Fuller, Vineland. $200,000. Noted Feb. 2.

Pa., Altoona—Market—Hinman Bros., 1010-1012 Eleventh Ave., plans 2 story, 100 x 120 ft. rein.-con. and brick, Green Ave. $150,000. Architect not selected.

Pa., Alverton—High School—East Huntington Twp. Bd. Educ., c/o O. Taylor, secy., Scottdale, plans 2 story, 60 x 132 ft. $150,-000. H. C. Frank, 2nd Natl. Bank, Connellsville, archt.

Pa. Camp Hill—Church—Camp Hill Presbyterian Church plans 100 x 110 ft. brick, Hamilton St. $150,000. T. F. Hunt, member of building com. Architect not selected.

Buildings (Continued)

Pa., New Kensington — Bank — Logan Trust Co., plans to remodel and build additions. $250,000. P. R. L. Hogner, 2432 Oliver Bldg., Pittsburgh, archt.

Pa., Phila—Apartment—F. W. Mark, c/o Smullen & Barry, Liberty Bldg., plans 3 story, 138 x 187 ft., Wayne Ave. and Walnut Lane. $250,000. Architect not selected.

Pa., Phila.—Exchange—Bell Telephone Co., 13th and Arch Sts., soon takes bids, 2 story, 95 x 147 ft. brick, steel and stone, plain foundation, Leiper and Foulkrod Sts. $150,000. J. T. Windrim, Commonwealth Bldg., archt.

Pa., Phila.—Memorial—Rothchild Memorial Bldg., c/o S. Fedman, 6046 Washington Ave., takes bids early in spring, 2 story, 50 x 96 ft. brick and stone, plain foundation, 58th and Walnut Sts. $150,000. L. Levi, Real Estate Trust Bldg., archt.

Pa., Pittsburgh — Home — Independent Order of Odd Fellows, c/o J. A. O'Brien, 610 North Euclid Ave., having plans prepared by F. Giffen, archt., 808 Bagee Bldg., and soon takes bids, 3 story, 50 x 140 ft., Fleming Ave. $250,000.

Pa., Pittsburgh—Hotel Apartment—Steelmasters Hotel Apartment Co., 419 Oliver Ave., plans brick and stone, Dithridge St. $6,000,000. F. C. Fisher Co. Inc., 419 Oliver Ave., archts.

Md., Baltimore — Hotel—W. H. Emory, Jr., Munsey Bldg., having plans prepared Travelers Hotel (152 rooms, etc.), Guilford and Lexington Sts. $400,000.

Md., College Park—College — University of Maryland, Baltimore, plans 2 and 3 story buildings, here. $400,000. Flourney & Flourney, 306 St. Paul St., Baltimore, archts.

Md., Crownsville — Dormitories—Crownsville State Hospital plans 2 or 3 story, brick. $200,000 R. P. Winterode, supt. H. P. Hopkins, 357 North Charles St., Baltimore, archt.

Va., Richmond—Store—Miller & Rhodes Co., Inc., 6th St., soon takes bids brick, steel and stone addition, plain foundation. 6th St. $1,000,000. Starrett & Van Vleck, 8 West 40th St., New York, archts. and engrs.

N. C., Carthage—Court House—Comrs. Moore Co., c/o H. P. McPherson, chn., Cameron, soon take bids, 3 story, 65 x 125 ft., rein.-con., brick and stone. $150,000. C. G. Cayre, Raleigh, archt.

Fla., Orlando — School — Orange Co. School Bd. plans 3 story, brick and hollow tile, or rein.-con. Cost between $200,000 and $300,000. Noted May 26.

La., New Orleans—Medical—M. H. Goldstein, archt., 1105 Hibernia Bank Bldg., prepared plans for 8 story medical building, on 58 x 120 ft. site on Prytania and Aline Sts. Freeman & Freeman, 218 Baronne St., are interested.

Tenn., Nashville—Office—Baptist Sunday School Bd., 161 8th Ave. N., having preliminary plans prepared by Hart & Nevins, archts., Watkins Bldg., 5 story, 9th and Berryhill Aves. $150,000.

Ky., Ashland—Schools—Bd. Educ. plans 2 story, rein.-con., brick and steel. $350,000. Selecting architect.

Ky., Louisville—High School—Bd. Educ., 8th and Chestnut Sts., having plans prepared by Joseph & Joseph, archts., Francis Bldg., for J. M. Atherton School. $300,000. I. M. Bloom, pres. Noted Dec. 1.

O., Cleveland — Church — St. Aloysius Church, c/o F. A. Malloy, pastor, 10932 St. Clair Ave., having plans prepared by W. C. Jansen, archt., 402 Electric Bldg., 1 story, 100 x 200 ft., brick and steel, plain foundation, East 109th St. and St. Clair Ave. $300,000.

O., Cleveland—Commercial—C. C. Deming, 2517 Edgehill Rd., plans 2 story, brick and steel, plain foundation, 8120 Carnegie Ave. $150,000. Private plans.

O., Cleveland — Medical School, etc. — Western Reserve University, c/o W. S. Hayden of Hayden-Miller Co., Citizens Bldg., having plans prepared by Coolidge & Shattuck, archts., Ames Bldg., Boston, 1, 2 and 5 story, medical school, power house and animal building, brick, steel and concrete, plain foundations, Cummington Rd. $2,500,000.

O., Columbus—High School—Bd. Educ., Town and High Sts., having plans prepared by W. B. Ittner, archt., Bd. Educ. Bldg., St. Louis, and opens bids about March 15. 2 story, 200 x 375 ft., brick, stone and concrete, East Broad St. $1,000,000.

O., Columbus—School—Bd. Educ., Town and High Sts., having plans prepared by H. D. Smith, archt., 50 East Town St., Fairwood Park School, 2 story East Livingston Ave. $300,000.

O., Lakewood (Cleveland P. O.)—Commercial—Lakewood Pythian Temple Co., c/o C. L. Mills, Illuminating Co., Illuminating Bldg., Cleveland, having plans prepared by H. F. Ostemeyer, archt., 2106 East 65th St., Cleveland, 3 story, 100 x 175 ft., brick steel and concrete, plain foundation, Detroit and Westlake Aves., here. $150,000. Noted Aug. 4.

O., Middletown — Church — St. Johns Lutheran Church having plans prepared by W. L. Jaekle, archt., 1300 U B Bldg., Dayton, 100 x 135 ft., brick and steel, 4th St. $175,000. A. M. Gerdes, chn. Building Comm.

O., Toledo—City Hall—Plans 3 story, 200 x 600 ft., rein.-con. and Indiana limestone, plain foundation. $2,000,000. Address C. Schreiber, mayor. Mills, Rhines & Belman, Ohio Bldg., archts.

Ind., Bloomington — High School — Bd. Educ. plans 2 story, brick and stone addition. $175,000. A. Grindle, 122½ Walnut St., archt.

Ind., Indianapolis—Amusement—H. B. and I. Marks and Union Investment Co., 517 South Delaware St., plan 2 and 4 story amusement buildng, also addition to garage, brick, concrete and steel, 332 North Illinois St. $150,000. Private plans.

Ind., Indianapolis—Apartment—Northern Realty Co. c/o George & MacLucas, archts., 1153 Lemcke Annex, having plans prepared two 3 story, 60 x 170 ft., brick, stone and terra cotta, North Pennsylvania St. $350,000.

Ind., Indianapolis—Hospital—Bd. Health, City Hall, plans brick addition to hospital. $200,000. Architect not selected.

Ind., Indianapolis — Office — Medical & Dental Realty Co., 822 Hume-Mansur Bldg., plans 15 story, brick, limestone, terra cotta and steel. $1,000,000. D. Graham, 1128 Hume-Mansur Bldg., archt.

Ind., New Albany—Joseph & Joseph, archts., Francis Bldg., Louisville, Ky., receive bids latter part of February, 3 story, 121 x 170 ft. factory, Main and Brook Sts., for M. Fine & Son, 146 East Main St. $50,000.

Ind., South Bend—School—Bd. Educ. rejected bids 1 story, 200 x 300 ft., brick and stone. $600,000. Work will be readvertised. Freyermuth & Maurer, 654 Farmers Trust Bldg., archts. Noted Dec. 22.

Ind., Terre Haute—Bank—Terre Haute Trust Co. plans remodeling brick and steel, 7th St. and Wabash Ave. $150,000. Architect not selected.

Mich., Ann Arbor—Art School—University of Michigan having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, 3 story, rein.-con., brick and steel, plain foundation, University campus. $300,000.

Mich., Ann Arbor—Hospital—St. Joseph Sanitorium had plans prepared by R. P. Barber, engr., 201 Belmont Ave., Toledo, O., 5 story, 110 x 151 ft. rein.-con., brick and steel. $200,000.

Mich., Grand Rapids—Church—Coolidge & Hodgson, archts., 134 South LaSalle St., Chicago, opens bids about March 15, 2 story, 90 x 102 ft. rein.-con., brick and steel, for Fountain St. Baptist Church, 438 Terrace St. E. $500,000.

Ill., Albany Park—Apartment—A. V. Tiesen, archt., 4804 North Kedzie Ave., soon receives bids 3 story, 100 x 123 ft., rein.-con., brick and steel, for Upper Kedzie Bldg. Corp., c/o architect. $150,000.

Ill., Bloomington—Store—G. Carlton, 528 North Main St., plans 3 story, brick, rein.-con. and steel, North Main St. $150,000. Architect not selected.

Ill., Carthage—Temple—A. F. & A. M. Lodge 20 plans 3 story, rein.-con., brick, steel and stone. $150,000. W. H. Bartell, secy. Architect not selected.

Ill., Chicago—Apartment—Levy & Klein, archts., 111 West Washington St., Chicago, soon receive bids 3 story, 110 x 120 ft., rein.-con., brick and steel, Spaulding Ave. near Lawrence Ave. $150,000. Owner's name withheld.

Ill., Chicago—Apartment—D. E. Mulvey & Co., 7053 Stony Island Ave. (representing owner), having plans prepared by A. C. Buckett, archt., 190 North State St., 178 x 247 ft., rein.-con., brick and steel, Ashland Ave. and Juneway Terrace. $350,000.

Ill., Chicago—Apartment—Rissman & Hirschfield, archts., 139 North Clark St., soon take bids 3 story, 100 x 150 ft. rein-con., brick and steel, Aldine Ave., near Bway., for D. Greenberg, 3012 West Roosevelt Rd. $350,000.

Ill., Chicago—Bank and Office—[illegible] Natl. Bank, Dearborn and Monroe Sts., having plans prepared by Graham, Anderson, Probst & White, archts., 8[illegible] Jackson Blvd., 21 story, 48 x 90 ft., rein.-con., brick and steel, Clark St. near Monroe St. $1,000,000.

Ill., Chicago — Church — H. [illegible] archt., 208 South La Salle St., soon receives bids 1 story, 90 x 100 ft., rein.-con., brick and steel, Kenilworth and Argonne Aves., for Sixth Church of Christ Scientist, 1946 Greenleaf Ave. $175,000.

Ill., Chicago—Church—St. Philomena's Parish, Kildare and Palmer St., having plans prepared by H. Gaul, archt., 111 West Washington St., 1 story, rein.-con., brick and steel, Kildare and Palmer Sts. $200,000.

Ill., Chicago—Fraternity House—Illinois Beta of Phi Kappa Psi Education Assn. of University of Chicago, University Ave. and 60th St., plans 3 story, 90 x 175 ft., rein.-con., brick and steel, Woodlawn Ave. and 56th St. $150,000. Architect not selected.

Ill., Chicago—Hospital—German Evangelical Deaconness Hospital having plans prepared by Berlin, Swern & Randall, archts., 19 South La Salle St., 7 story, rein.-con., brick and steel, Morgan St. and 54th Pl. $350,000.

Ill., Chicago—Office—Amer. Bankers Insurance Co., c/o L. E. Stanhope, archt., 38 East Madison St., plans 5 story, 100 x 100 ft., rein.-con., brick and steel, Cass and Ohio Sts. $300,000.

Ill., Earlville—High School—Bd. Educ. plans 3 story, brick, steel and rein.-con. $150,000. Architect not selected.

Ill., Edwardsville—Bank and Office—K. M. Vitzthum Co., archts., 21 East Van Buren St., Chicago, soon takes bids 6 story, 45 x 85 ft., rein.-con., brick and steel, for Edwardsville Natl. Bank. $150,000. Noted Feb. 2.

Ill., Latham—High School—Bd. Educ. having plans prepared by J. Zimmer, archt., 217 Court St., Pekin, 3 story, brick, steel and rein.-con. $160,000. J. Vaughn, chn. building com

Ill., Marion—Hospital—City plans 3 story, rein.-con., brick, stone and steel. $250,000. Architect not selected.

Ill., Polo—High School—Polo Community High School Dist., plans 2 story, brick, stone, rein.-con. and steel. $175,000. H. C. Buell, supt. Architect not selected.

Ill., River Forest (Chicago P. O.)—Church—River Forest Presbyterian Church having plans prepared by Holmes & Flinn, archts., 8 South Dearborn St., Chicago, 2 story, 125 x 368 ft., brick, rein.-con. steel and stone, on Quick Ave. $250,000.

Wis., Fond du Lac—Bank and Office—Commercial Natl. Bank, 93 South Main St., having plans prepared 6 or 7 story, 60 x 110 ft., brick, rein.-con. and steel, concrete pile foundation, 1st and Main Sts. $650,000. S. Lovell, 30 North Michigan Ave., Chicago, archt. Noted Feb. 3.

Wis., Madison—Court House—Dane Co., c/o M. Sommers, 512 West Wilson St., plans (2nd unit) 4 story, 55 x 100 ft., brick, rein.-con. and steel, plain foundation, Main St. $175,000. Architect not selected.

Wis., Madison—Store and Office—Marburg Bldg. Co., c/o R. T. Ely, 205 Prospect Ave., plans 3 story, brick and rein.-con., plain foundation, State St. $150,000. Architect not selected.

Wis., Manitowoc—Hospital—Holy Family Hospital Co., c/o W. G. Kemper, 1 North 8th St., plans 4 story, brick and rein.-con., plain foundation. $150,000. Architect not selected.

Wis., Milwaukee—Apartment—R. Razall, archt., 114 Grand Ave., opens bids about Feb. 11, 3 story, 50 x 116 ft., brick and concrete, plain foundation for Adams Bldg. Co., 114 Grand Ave. $150,000.

Wis., Milwaukee—Auditorium and Recreation—Amer. Luther Assn., 283 11th St., having preliminary plans prepared by R. A. Messmer & Bros., archts., 221 Grand Ave., 3 story, 50 x 120 ft., brick and concrete, plain foundation, 11th and State Sts. $150,000.

Wis., Milwaukee — Church — Kenwood Methodist Episcopal Congregation, 757 Racine St., having preliminary plans prepared by Leenhouts & Guthrie, archts., 301 Jefferson St., 1 and 2 story, brick, tile and concrete, plain foundation, Kenwood Blvd. $150,000.

Wis., Milwaukee — Synagogue — Beth Israel Congregation, 548 10th St., having plans prepared by H. H. Bruns, archt., 875½ 25th St., 2 story, 72 x 105 ft., brick.

Buildings (Continued)

plain foundation, 10th and Lee Sts. $150,000. Noted Nov. 17.

Wis., Monroe—Church—St. Johns Evangelical Congregation having plans prepared by H. C. Haeuser, archt., 155 Milwaukee St., Milwaukee, 2 story, 92 x 100 ft. brick and tile, plain foundation. $150,000.

Wis., Oshkosh—Hospital—E. Brielmaier & Sons Co., archts., 432 Bway., Milwaukee, takes bids about Mar. 15, 3 story, brick and concrete addition plain foundation, for Mercy Hospital, here. $450,000 to $500,000.

Wis., Sheboygan—Church—St. Andreas Congregation, 1101 Bway., plans 2 story, 70 x 100 ft., brick, rein.-con. and stone, plain foundation. $150,000. E. Beyer, pastor. Architect not selected.

Wis., Waukesha—Grade School—School Bd. having plans prepared by Van Ryn & De Gelleke archts., 114 Grand Ave., Milwaukee, 2 story, brick, tile and concrete, plain foundation, St. Charles St. $150,000.

Wis., Waukesha—Schools—School Bd. plans additions to Blair, White Rock and Hatfield Schools. Total to exceed $150,000. Architect not selected.

Wis., West Milwaukee (Milwaukee P. O.)—Feb. 16 to vote on $150,000 bonds, 2 story, brick, tile and concrete addition, plain foundation, 41st Ave. G. Niederstadt, clk. M. Tullgren & Sons, 415 East Water St., Milwaukee, archts.

Kan., Hoxie—High School—Bd. Educ. having plans prepared by S. S. Voigt, archt., 4th Natl. Bank Bldg., Wichita, 2 story, 67 x 125 ft., brick, steel, rein.-con. and stone. $150,000.

Kan., Salina — Administration — Kansas Wesleyan University having plans prepared by Study & Farrar, archts., Arcade Bldg., St. Louis, Mo., 4 story, 250 x 250 ft., brick, rein.-con. and stone. $400,000.

Neb., Alliance—Schools—Bd. Educ. having plans prepared by Fiske & McGinnis, engrs., Bankers Life Bldg., Lincoln, 2 story, 90 x 169 ft. high school and 2 story, 45 x 66 ft. grade school, brick. $250,000.

Neb., Hastings—Auditorium—City having plans prepared by C. W. Way Co., archts., Hastings, rein.-con., steel and brick. $200,000.

Neb., Lincoln — Capitol — State having plans prepared by B. G. Goodhue, archt., 2 West 47th St., New York, for capitol on 14th and H Strs. $2,000,000. Foundation plans being prepared by Jarrett & Chambers, archts., 30 East 42nd St., New York. Bids on foundation about March 15; bids on superstructure later. Noted Nov. 10.

Neb., McCook—High School—Bd. Educ. having plans prepared by G. A. Berlinghoff, archt., 912 Security Mutual Bldg., Lincoln, 4 story, 62 x 120 ft., rein.-con. and steel, brick foundation. $170,000.

Neb., Omaha—High School—Bd. Educ., City Hall, plans 3 story, rein.-con. and brick, 31st and Ames Sts. $750,000. J. Latenser & Sons, 732 Peter Trust Bldg., archts.

Neb., Pierce—School—Bd. Educ. having plans prepared by G. A. Berlinghoff, archt., 912 Security Mutual Bldg., Lincoln, 3 story, 100 x 140 ft., rein.-con., brick and steel, brick foundation. $155,000.

N. D., Grand Forks—Law—State Bd. of Administration, Bismarck, having plans prepared 4 story, rein.-con., brick, tile and stone, here. $200,000. C. Liessman, secy.

Mo., Kansas City—Church—Lowe & Bollenbacker, archts., 108 South La Salle St., Chicago, preparing plans and soon take bids 1 story, ordinary fireproof construction, Westover Rd. and Bway., here, for Country Club Methodist Episcopal Church, Kansas City. $150,000.

Tex., Mexia—School—Bd. Educ. having plans prepared by De Witt & Lemmon, archts., Southwestern Life Bldg., Dallas, 2 story, 120 x 175 ft., brick. $160,000.

Tex., San Antonio—Auditorium—City plans 1 story, seating capacity 7,500, Madison Sq. Park. $600,000. D. D. Harrigan, Moore Bldg., engr.

Tex., San Antonio—Market—Plans 1 story addition, West Commerce St. $200,000. D. D. Harrigan, Moore Bldg., engr. Architect not selected.

Tex., San Antonio—Mausoleum—Mount Olive Protestant Memorial Comm. having plans prepared by L. E. Cornu & Co., engrs., 803-4 Alamo Natl. Bank Bldg., 1 story, 80 x 180 ft., rein.-con., granite and marble, outside city limits. $500,000.

Tex., San Antonio—Mausoleum—San Fernando Cathedral having plans prepared by L. E. Cornu, archt., 803 Alamo Natl. Bank Bldg., 1 story, 70 x 200 ft., rein.-con., granite, marble and bronze, outside city limits. $500,000.

Col., Colorado Springs—Auditorium—Takes bids in April, auditorium, Weber and Kiawa Sts. $390,000. C. E. Thomas and McLaren & Hetherington, 322 Hagermann Bldg., archts. Noted Oct. 27.

Cal., Corona—High School—Voted $150,000 bonds for high school. M. Terpening, city clk.

Cal., Fresno—Apartment—O. L. Everts, 1906 North Van Ness St., and J. P. Ryland, having plans prepared by Glass & Butner, archts., Cory Bldg., 5 story, 100 x 150 ft., rein.-con., Stanislaus and N Sts. $350,000.

Cal., Oakland—Bank and Office—Reed & Corlett, archts., Oakland Bank of Savings Bldg., soon take bids 16 story annex, for Oakland Bank of Savings, 12th St. and Bway.

Cal., Sacramento—School—Bd. Educ. having plans prepared by Hemmings, Petersen & Hudnutt, Inc., archts., City Library Bldg., 9th and J Sts., for brick and concrete addition to Fremont School, 16th and N Sts., $75,000. Election Feb. 25 to vote on $400,000 bonds for additions to grammar schools.

Cal., San Francisco—School—City and San Francisco Co. take bids in March, Horace Mann School 2 story rein.-con., 22nd and Valencia Sts. $400,000. J. Reid, Jr., city archt. Noted Dec. 3.

Cal., Santa Ana—School—Voted $155,000 bonds for school; $75,000 bonds for a 7 room building; $20,000 bonds for additions, repairs and alterations to other buildings.

Ont., London—Arena—Tecumseh Arena Co., Merchants Bank Bldg., having plans prepared for 100 x 200 ft. concrete and steel, York St. $150,000. Private plans.

Ont., Midland—Store—W. E. Preston plans to rebuild store recently destroyed by fire; brick and stone, King St. $250,000. Prices wanted on all materials.

Ont., Windsor — Recreation — Border Cities Cecreation Co. having plans prepared for 6 story, 220 x 250 ft. brick, steel and stone, Pelissier St. $750,000. Private plans. Prices wanted on all materials.

BIDS DESIRED

Mass., Greenfield—High School—Feb. 18, by H. Richardson, chn. town bldg. com., 2 story, 225 x 255 ft., brick and stone, Federal and Sanderson Sts. $500,000. L. C. Patton, 579 5th Ave. New York, and W. D. Blair, 154 East 61st St., New York, archts. Noted Nov. 3.

Conn., Waterbury—School—Feb. 11 by T. F. Freney, archt., 51 Leavenworth St., 3 story, brick and steel, plain foundation, Wolcott St., for Sacred Heart Roman Catholic Parish, Wolcott St. $150,000. Noted July 7, 1921.

N. Y., Brooklyn—School—Feb. 16, by C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., New York, P. S. 67, St. Edwards St. and Auburn Pl.

N. Y., New York—Apartments—G. F. Johnson Estate, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., two 6 story, brick, steel and stone, plain foundations, Fox St. near 156th St. $175,000 each. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Apartments—M. Herman, Inc., c/o M. Courland, archt. and engr., 47 West 34th St., two 5 story, brick, steel and stone plain foundations Kingbridge Rd. $150,000 each. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Laboratory—Feb. 14, by A. B. Heaton, archt. and engr., Maryland Bldg., Wash., D. C., 3 story brick and concrete, plain foundation, Mott Ave., here for Fleischmann Co., 701 Washington St. $200,000.

Pa., Phila.—Office—Feb. 13, by Stone & Webster, engrs., 147 Milk St., Boston, 7 story, 80 x 120 ft., rein.-con., brick and steel, plain foundation, 11th and Locust Sts., for Western Union Telephone Co., 5th and Chestnut Sts. $250,000. Steel contract awarded to Belmont Iron Co., 22nd and Washington Sts.

Pa., Phila.—Convent—March 1, by H. D. Dagit & Sons, archts., 10 South 18th St., 3 story, 35 x 120 ft. brick, steel and stone, plain foundation, 24th and Lehigh Aves., for St. Columbia Catholic Church, 24th and Lehigh Aves. $150,000.

Pa., Pittsburgh—Y. M. C. A., Magee Bldg., c/o F. B. Skipp, genl. secy., receiving bids 15 story, 75 x 120 ft., Wood St. between 3rd and 4th Aves. $700,000. B. Janssen, Century Bldg., archt. Noted Feb. 17.

Pa., Wayne—High School—Feb. 20, by School Bd. Radnor Twp. School Dist., c/o J. C. Egbert, 3 story, 130 x 166 ft. rein.-con., brick, stone and tile, plain foundation. Lancaster Ave. $150,000. H. C. Richards, 608 Chestnut St., Phila., archt. Noted Oct. 13.

W. Va., Charleston—High School—Feb. 21, by Warne, Tucker & Patterson, archts., Masonic Temple, for 2 story, 60 x 218 ft., Jackson and Ruffner Sts., for Bd. Educ. $250,000. Noted Dec. 29.

W. Va., Charleston—School—Feb. 21, by Warne, Tucker & Patterson, archts., Masonic Temple, for 3 story, Glenwood and Grant Sts., for Bd. Educ. $200,000.

W. Va., Wayne—High School—March 2, by Bd. Educ., 2 story, 110 x 160 ft., brick, concrete and stone. $150,000. Holmboe & Pogue, Empire Bank Bldg., Clarksburg, archts. Noted Jan. 5.

W. Va., Wheeling—Office—Feb. 15, by C. W. Bates, archt., 77 12th St., 9 story, 33 x 130 ft., brick, steel and concrete, 14th and Chapline Sts., for T. S. Riley, c/o architect. $300,000.

La., New Orleans—Bank and Office—Feb. 15, by R. DeBuys, archt. and engr., Camp St. and Commercial Alley, bank and office, Carondelet St., for Federal Reserve Bank, Camp St. $1,000,000.

O., Cleveland — Bank — Feb. 20, by Graham, Anderson, Probst & White, archts. and engrs., 80 East Jackson Blvd., Chicago, 2 story, 45 x 75 ft., brick, steel and concrete, plain foundation, West 93rd St. and Lorain Ave., here, for Union Trust Co., Citizens Bldg. $150,000. Noted Nov. 17.

O., Pleasant Hill—High School—Feb. 18, by Hall & Lethly, archts., 806 Fairbanks St., Springfield, or Builders Exch., 250 Arcade St. Dayton, 3 story, rein.-con. and brick here, for Bd. Educ. $200,000. Noted Sept. 15.

Mich., Detroit—Office and Loft—Feb. 15, by L. Kamper, archt., Kamper Bldg., 10 story, 53 x 141 ft. rein.-con., brick and steel, plain foundation, Woodward and Sibley Aves. for H. Scherer, c/o architect. $1,000,000.

Mich., Traverse City—High School—Feb. 15, by O. C. Moffat, secy. Bd. Educ., 3 story, rein.-con., brick and steel, plain foundation. $250,000. E. S. Batterson, 405 Houseman Bldg., Kalamazoo, archt. Noted Oct. 13.

Ill., Chicago—Apartment—P. F. Olsen, archt., 127 North Dearborn St., receiving bids 3 story, 150 x 170 ft., rein.-con., brick and steel, Greenview and Lunt Ave., for R. W. Matteson c/o architect. $250,000.

Ill., Chicago — Apartment — S. Schmalhausen, 5811 South Michigan Ave., receiving bids 3 story, 110 x 194 ft., rein.-con., brick and steel, Kingston Ave. and East 74th St. $200,000 Ronneberg, Pierce & Hauber, 10 South La Salle St., archts.

Ill., Chicago—Store and Apartment—P. F. Olsen, archt., 127 North Dearborn St., receiving bids 2 story, 60 x 150 ft., rein.-con., brick and steel, 67th St. near Dorchester Ave., for J. Larson, c/o architect. $150,000.

Ill., Lincoln—Theatre and Office—Levine Co., archts., 133 West Washington St., Chicago, receiving bids 3 story, 80 x 150 ft., rein.-con., brick and steel, here. $150,000. Owner's name withheld.

Wis., Madison — Hotel — W. R. McNeil, Capitol Hotel, receiving bids 8 story, rein.-con., brick and steel. $750,000. W. W. Allschlager, 65 East Huron St., Chicago, archt.

Neb., Imperial—High School—Feb. 17, by Bd. Educ., 2 story, 72 x 100 ft., rein.-con., brick, steel and stone. $150,000. J. Burke, pres. A. T. Simmons, 1st Natl. Bank Bldg., Bloomington, Ill., archt.

Neb., Whitman—School—Feb. 24, by Bd. Educ., 2 story, rein.-con., steel and brick, brick foundation. $160,000. J. J. Huddart, Bank Bldg., Denver, Col., archt.

N. D., Rolla—School—Feb. 16, by P. Dixon, clk. School Bd., 2 story, 63 x 136 ft. rein.-con., brick and steel. $150,000. G. H. Bugenhaugen, Minot, archt. and engr.

Mo., Columbia—Science Hall—Feb. 21, by Stephens College, c/o A. Wood, pres., Building Com., and J. P. Jamieson, archt., Security Bldg., St. Louis, 3 story, 60 x 180 ft., brick, stone and steel. $150,000. Noted Nov. 24.

Mo., Springfield—Hospital—Feb. 20, by R. C. Stephens, archt., Frisco Bldg., St. Louis, 3 story, rein.-con., brick and stone, here, for Frisco Ry., c/o E. B. Levy, genl. mgr., Frisco Bldg., St. Louis. $200,000. Noted Oct. 13.

Buildings (Continued)

Tex., Kerrville—Ward, Dormitory, etc.—March 6, by Phelps & Dewees, archts., Gunter Bldg., San Antonio, 2 story, 33 x 190 ft., servants' ward, 2 story, 40 x 90 ft. dormitory refrigerating plant and sewage disposal plant, rein.-con., tile and brick, for State of Texas Amer. Legion Bd., Austin. $150,000.

Utah, Nephi—High School—Feb. 15, by Bd. Educ. Juab School Dist. for high school. $175,000 J. Nelson, Provo, archt.

Cal., Citrus—Schools—Feb. 16 by Citrus Union High School Dist., constructing 5 schools. $225,000.

Cal., Oakland—School—Feb. 27, by N. W. Cook, acting secy. Bd. Educ., 357 12th St., for Alexander Hamilton School, Galindo St. and 35th Ave. $275,000.

Cal., Sonoma—High School—Feb. 25, by Sonoma High School Dist., 2 story, 145 x 170 ft., rein.-con. Noted Feb. 2.

BIDS RECEIVED

Wis., Beaver Dam—School—St. Peters Catholic Congregation, c/o F. L. Kroenberg, archt., Carroll Blk., Madison, general contract, 2 story, 130 x 140 ft. rein.-con. and brick, from Hayes & Langdon, Hayes Blk., Janesville, $110,400; Hutto Constr. Co., 128 Western St., Fond du Lac, $114,637; J. P. Cullen & Sons, Janesville, $141,073. Noted Jan. 12.

Wis., Fond du Lac—Hotel—Wisconsin Hotel Co., c/o Palmer House, 8 story, 40 x 180 ft. and 40 x 41 ft., brick concrete and steel, plain foundation, Main St., from L. F. Schroeder Constr. Co., 13 East 1st St., $404,000. Noted Jan. 19.

Wis., Shorewood (Milwaukee P. O.)—School—School Bd., 2 story, brick and concrete addition, plain foundation, Atwater Rd., from S. M. Siesel, 105 Wells St., Milwaukee, $135,300; Immel Constr. Co., 200 North Main St., Fond du Lac, $139,483; Johns & Knuth, 1915 Chestnut St., Milwaukee, $140,910. Noted Jan. 12.

Ia., Des Moines—High School—Bd. Educ. opened bids Jan. 31, 3 story, rein.-con., brick, tile and stone, from J. C. Mardis Co., Southwest 21st and Section Sts. $865,365; W. F. Kucharo, 622 Hubbell Bldg., $896,000; Fleisher Constr. Co., 608 Builders Exch. Bldg., Minneapolis, Minn., $900,000.

Cal., Oakland—Office—Pacific Gas & Electric Co., 17th and Clay Sts., 8 story, brick, steel and terra cotta, from R. W. Littlefield, 357 12th St., $318,500; Dinwiddie Constr. Co., Crocker Bldg., San Francisco, $324,900; Clinton Constr. Co., 140 Townsend St., San Francisco, $326,537. Noted Jan. 12.

Cal., San Diego—High School—Bd. Educ., 604 Southern Title Bldg., opened bids Jan. 26, Theodore Roosevelt Intermediate High School, in Balboa Park, from O. I. Eckles, East San Diego, $267,600; Lowerson & Wolstencroft, San Diego, $274,500; Dow Constr. Co., Los Angeles, $287,379. Noted Jan. 19.

CONTRACTS AWARDED

Mass., Boston—Apartment—Peterboro Realty Co., 18 Tremont St., 5 story, 75 x 90 ft., brick, Peterboro St., to Snider & Druker, 18 Tremont St. $200,000.

Mass., Quincy—High School—School Bd., 3 and 4 story, 252 x 330 ft., concrete, brick and steel, Coddington St., to Coblo & Griffin, 46 Cornhill, Boston. $553,000. Noted Feb. 2.

Mass., Springfield—Store—A. Steiger, 345 Main St., 4 story, 60 x 80 ft., rein.-con., brick and steel, plain foundation, Bridge St., to W. J. Pinney, 374 Main St.

N. Y., Brooklyn—Apartment—S. Hendler, c/o Shampan & Shampan, archts. and engrs. 50 Court St., 4 story, brick, steel and stone, plain foundation, Ocean Parkway, by day labor. $150,000.

N. Y., New York—Apartment—M. Chorondock Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 75 x 100 ft. brick, steel and stone, plain foundation, Boston Rd. near 166th St., by day labor. $175,000.

N. Y., New York—Apartment and Store—Hudson Building Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 5 story, 90 x 90 ft., brick, steel and stone, plain foundation, St. Nicholas Ave. and 189th St., by day labor. $175,000.

N. Y., New York—Apartment—Lapidus Eng. & Constr. Co., c/o G. E. Pelham, archt. and engr., 200 West 72nd St., 9 story, brick, steel and stone, plain foundation, West 69th St., by day labor. $650,000.

N. Y., New York—Apartment—M. Lipman, c/o Groenberg & Leuchtag, archts. and engrs., 450 4th Ave., 5 story, brick, steel and stone, plain foundation, East 165th St., by day labor. $200,000.

N. Y., New York—Apartment—Noslef Court Co., c/o J. M. Felson, archt. and engr., 1133 Bway., 5 story, brick, steel and stone, plain foundation, Davidson Ave. and 184th St., by day labor. $150,000.

N. Y., New York—Apartment—J. C. Pederson, c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 6 story, 120 x 180 ft., brick, steel and stone, plain foundation, Perry Ave. and Mosholu Parkway North, by day labor. $250,000.

N. Y., New York—Apartment—A. Sokolski, 217 Bway., 12 story, brick, steel and stone, plain foundation, 64th St., and Madison Ave., by day labor. G. F. Pelham, 200 West 72nd St., archit. and engr.

N. J., Newark—Apartment—Ritz Holding Co., c/o W. Lehman & Son, archts. and engrs., 738 Broad St., 8 story, brick, steel and stone, plain foundation, Clinton Ave., by day labor. $600,000.

Pa., Chester—Hospital—Chester Hospital, c/o E. D. Glesser, 16th and Poplar Sts., 3 story, 35 x 165 ft. and 35 x 64 ft. rein.-con., brick and steel, plain foundation, to R. E. Lamb, 843 North 19th St., Phila.

Pa., Phila.—Office and Store—G. Woods & Sons, 626 Chestnut St., 4 story, 54 x 119 ft. brick, steel and stone, plain foundation, 512 Walnut St., to Barclay-White & Co., 1713 Sansom St. $160,000.

Pa., Phila.—School—St. Alberts Church, c/o A. Monkiewicz, 2645 Allegheny Ave., 3 story, 63 x 140 ft. brick and steel, plain foundation, Thompson and Madison Sts., to Penn Contg. Co., 3840 Spring Garden St. $180,000. Noted Jan. 20.

Pa., Phila.—Theatre and Apartment—M. A. Benn, 6338 Woodland Ave., rein.-con., brick and steel, plain foundation, 63rd and Woodland Aves., to Pierce-Henon Co., Bulletin Bldg. $250,000.

Pa., Stowe—School—Bd. Educ. Stowe Twp., c/o C. G. Pierce, pres., general contract, 3 story, to H. Busse Co., Main and Wabash Sts., Pittsburgh. Total $150,000. Noted Nov. 24.

Ala., Birmingham—High School—For 3 story, 120 x 160 ft., rein.-con. and brick, 8th Ave. and 24th St., to Foundation Co. of America, 120 Liberty St., New York. $486,573.

La., New Orleans—Community House—Daugherty & Gardner, archts., Stahlman Bldg., Nashville, Tenn., general contract for 3 story, rein-con., brick and steel, Rampart and Governor Sts., here, to J. A. Petty Co., Godchaux Bldg., $120,000, for Methodist Episcopal Bd. of Missions, Nashville, Tenn. Noted Dec. 29.

Tenn., Murfreesboro—Dormitory—State Bd. Educ., Nashville, general contract for dormitory and gymnasium at State Normal School, here, to G. B. Howard & Co., 4th Ave., Nashville, $113,923. Noted Jan. 19.

Tenn., Nashville—Bank—Federal Reserve Bank, 4th and 1st Bl., general contract for 3 story, 3rd Ave., N., to Foster-Creighton Co., 4th and 1st Natl. Bank Bldg., $149,029. Noted Dec. 15.

Ky., Lexington—School—Bd. Educ., McClelland Bldg., 2 story, 125 x 130 ft., rein.-con. and brick, to W. G. Congleton and H. Clay Bldg. Co., 3rd and Walton Sts., $175,000. Noted Dec. 1.

Ky., Lyndon—School—Kentucky Military Institute, reconstructing barracks and restoring administration building, recently burned, hollow tile and stucco, to Nevin, Wischmeyer & Morgan, 1317 Starks Bldg., Louisville $200,000.

O., Cleveland—Apartments—I. B. Rabb, 2235 East 71st St., four 3 story, 58 x 84 ft., brick and steel, plain foundations, 1638 East 77th St., to Lessovitz & Kofsky, 2412 East 79th St., $250,000. Noted Jan. 5.

O., Columbus—High School—E. L. McCune, clk. Bd. Educ., Town and High Sts., general contract East High School, 2 story, 200 x 375 ft., stone, brick and concrete, East Broad St., to Walbridge-Aldinger Co., 2356 Penobscot Bldg., Detroit, $552,860. Noted Jan. 5.

O., Dayton—Store and Office—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 3-6 story, 100 x 200 ft., brick and rein.-con., South Main St., here, to Frank Hill Smith, Inc., Winters Bldg., $350,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story, rein.-con., brick, steel and stone addition, plain foundation, Brush St. and Parkhurst Ave., to Bloomfield Constr. Co., 1118 Ford Bldg., $150,000. Noted Jan. 19.

Ill., Chicago—Mercantile—Phillipsborns, 511 South Paulina St., 6 story, 150 x 200 ft., rein.-con., brick and steel addition, 650 West Harrison St., to R. F. Wilson & Co., 1851 Elston Ave., $250,000.

Ill., Chicago—Store, Office and Apartment—H. H. Goodfriend, 209 South State St., 3 story, 92 x 127 ft., rein.-con., brick and steel, 7601 North Ashland Ave., to H. Johnson, 446 East 76th St., $150,000.

Ill., Toulon—High School—Bd. Educ., High School Dist. 4, 2 story, brick, steel, rein.-con. and stone, to V. Jobst & Son, Lehman Bldg., Peoria, $155,000. Noted Jan. 26.

Wis., Manitowoc—School—Manitowoc Co. Teachers Training Assn., general contract 2 story, 89 x 159 ft., brick, rein.-con. and steel, plain foundation, to F. Hemitz, Denmark.

Wis., Three Lakes—High School—Bd. Educ., general contract 2 story, 75 x 150 ft., brick, rein.-con. and steel, to H. V. Hertting, Inc., Dempsey Bldg., Manitowoc.

Minn., Minneapolis—Office and Store—McMichael Investment Co., 402 Wilmac Bldg., general contract 6 story, 31 x 122 ft., brick and stone, 715 Hennepin Ave., to Victorson Constr. Co., 423 Andrews Exch. Bldg., $125,000. Noted March 31, 1921.

Minn., Olivia—School—Bd. Educ., general contract for 3 story, rein.-con., brick, tile and stone, to Bracker Constr. Co., 638 Builders Exch. Bldg. Minneapolis, $102,600. Noted Feb. 2.

Mo., St. Louis—Store—Missouri Botanical Assn., Federal Reserve Bldg., 3 story, 66 x 90 ft., rein.-con., brick, steel and stone, 6th and St. Charles Sts., to Gamble Constr. Co., 620 Chestnut St., $150,000. Noted Feb. 2.

Ore., Portland—Market—Gardeners and Ranchers Assn., Union and Madison Sts., 2 or 3 story, 200 x 200 ft., rein.-con., Union, East 3rd, Main and Madison Sts., to R. Paysee, Lewis Bldg., $225,000.

Cal., Modesto—Office—L. C. Black, c/o Black's Garage, 2 story, 100 x 140 ft., concrete and brick, 11th and Eye Sts., to R. F. Felchlin Co., Bank of Italy Bldg., Fresno. $150,000.

Federal Government Work

PROPOSED WORK

N. Y., New York—Plumbing, Heating, Etc.—Treas. Dept., at office of Custodian, U. S. Pub. Health Serv. Hospital, Bronx, takes bids about Feb. 24, plumbing, heating, ventilating, etc., Girls Building, here. J. A. Wetmore, acting superv. archt.

D. C., Wash.—Office—Treas. Dept. plans building for use of Controller General, etc. J. A. Wetmore, acting superv. archt.

Virginia—Dredging—U. S. Government having surveys made to determine advisibility of widening James River in vicinity of Richmond and Norfolk. $224,000. J. C. Oakes, Custom House, Norfolk, ch. of gov. engrs. for Virginia Dist.

BIDS DESIRED

Mass., Fourth Cliff—Barracks—Spec. 4568—March 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., barracks at radio station, here. Noted Jan. 5.

R. I., Providence—Dredging—Feb. 27, by U. S. Engineer, dredging in Silver Eel Pond, Fort H. G. Wright, Fishers Island, N. Y. and in Plum Gut Harbor, Fort Terry, Plum Island, N. Y.; adv. this issue.

Md., Perryville—Kitchen Equipment—Feb. 20, by Treas. Dept., Wash., D. C., kitchen equipment at U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt., adv. this issue.

Va., Hampton Roads—Motor Generator Set, etc.—Spec. 4570—Feb. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., motor generator set and switchboard, at naval operating base, here. Noted Jan. 5.

Wis., Milwaukee—Hoist—Feb. 17, by Lighthouse Superintendent, Federal Bldg., one concrete and material hoist (elevator portion only) for use at Indiana Harbor.

BIDS RECEIVED

Del., Wilmington—Jetty—U. S. Engineer, 6th and King St., 950 ft. stone and concrete jetty, at mouth of Raccoon Creek, Inc., from Carpenter & Patrie, Norfolk, Va., $27,807; Empire Eng. Co., Inc., Bourse Bldg., Baltimore, Md., $27,940; J. Anderson, Delaware City, $30,828. Noted Jan. 5.

N. C., Oteen—Construction and Mechanical Equipment—Treas. Dept., Wash., D. C., constructing U. S. Pub. Health Serv. Hospital, here, from Fanning & Quinn Board of Trade Bldg., Norfolk, Va., $297,694, A. Blair, 11 South Lawrence St.,

Federal Government Work (Continued)

Montgomery, Ala., $312,475, Charlottesville Lumber Co., Charlottesville, Va., $319,300; mechanical equipment for above, from Union Electric Co., 625 Poydras St., New Orleans, La., $63,500; O. Linberg, South Kearny, N. J., $68,438; Ransom & Anderson, 136 Liberty St., New York, $68,880. Noted Jan. 12.

S. C., Charleston—Piping—Spec. 4557—Bureau Yards & Docks, Navy Dept., Wash., D. C., piping for air compressor, here, from Shevlin Eng. Co., 110 West 34th St., New York, $9,997 (90 days); Almiral & Co., 1 Dominic St., New York, $11,372; Noland-Clifford Co., 322 28th St., Newport News, Va., $11,735. Noted Jan. 26.

California—Bridge—U. S. Bureau Pub. Rds., Dept. Agriculture, 881 Mills Bldg., San Francisco, opened bids Jan. 24, Klamath River Bridge on Klamath River Natl. Forest Rd., 310 ft. steel span, 23 mi. south of Happy Camp and 98 mi. from Hornbrook, from Lindstrom & Feigenson Co., Worcester Bldg., Portland, Ore., $54,899; West Coast Constr. Co., 519 California St., San Francisco, $58,935; G. Pollock, Forum Bldg., Sacramento, $61,669. Noted Jan. 5.

California—Road—U. S. Bureau Pub. Rds., Dept. Agriculture, 881 Mills Bldg., San Francisco, 3.4 mi. Klamath River Rd., Tee Bar Sect., 15 mi. above Somes Bar, from W. Vonder Hellen, Eagle Point, Ore., $38,125; T. Malidas, San Francisco, $40,922; J. Wilmhurst, 3810 Sacramento St., San Francisco, $41,475. Noted Jan. 5.

Cal., San Diego—Refrigerating and Cold Storage Plant—Spec. 4543—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating and cold storage plant, here, from Wittenmeier Mchy. Co., 850 North Spalding Ave., Chicago, $29,970 (90 days); Amer. Carbonic Mchy. Co., 700 High St., Wisconsin Rapids, Wis., $30,400 (90 days); York California Constr. Co., 308 Boyd St., Los Angeles, $45,000 (90 days). Noted Jan. 19.

CONTRACTS AWARDED

Me., Bar Harbor—Quarters—Spec. 4521—Bureau Yards & Docks, Navy Dept., Wash., D. C., quarters for officers and remodeling guardhouse, Naval Radio Station, here, to A. B. and J. R. Hodgkins, 42 Greely Ave., $14,200 (175 days). Noted Oct. 6.

N. J., Camden—Dredging—U. S. Engineer, 815 Witherspoon Bldg., Phila., dredging in Delaware River, here, to Delaware Dredging Co., Colonial Trust Bldg., Phila., $103,894. Noted Dec. 22.

D. C., Wash.—Fire Protection System—Spec. 4525—Bureau Yards & Docks, Navy Dept., Wash., D. C., fire protection system for oil reservoirs, at Navy Yard, to W. G. Cornell Co., 19 Patterson St., N. E., $10,465 (75 days). Noted Jan. 19.

Va. Norfolk—Conduit Line, etc.—U. S. Engineer, conduit line, etc., at Fort Stacy, here, to Consolidated Eng. Co., Calvert Bldg., Baltimore, Md., $7,613.

Ga., Augusta—Hospital—Treas. Dept., Wash., D. C., construction U. S. Pub. Health Serv. Hospital, here, to Northeastern Constr. Co., Charlotte, N. C., $263,000; mechanical equipment for above, to Noland-Clifford Co. Inc., 330 28th St., Newport News, Va., $134,000. Noted Jan. 26.

Fla., Jacksonville—Dredging, etc.—U. S. Engineer, dredging and rock removal, Sarasota Bay, here, to J. C. Angier, Miami, $59,588. Noted Dec. 22.

Cal., Stockton—Buildings—U. S. Government having plans prepared by Davis-Heller-Pearce Co., (architects and contractors) Delta Bldg., group of 1 story frame buildings for industrial school, on Rough and Ready Island, near here. Davis-Heller-Pearce have contract for first units $50,000. Additional $150,000 will be spent for improvements not yet determined.

FEDERAL POWER COMMISSION

Applications for licenses and permits.

Applications

270—Mendota Irrigation Dist., Mattei Bldg., Mendota, Cal.—Wants to develop power on Kings River, Fresno Co., near proposed Pine Flat Reservoir. Project incl. low diversion dam, canal and power house.

271—Caddo River Power & Irrigation Co., Boyle Bldg., Little Rock, Ark.—Wants permit for high dam, storage reservoir and power house on Ouachita River, near Hot Springs; 2 dams and reservoirs 7 and 15 mi. below reservoir.

272—H. L. Cooper, 101 Park Ave., New York—Wants permit for dam and power house on Columbia River, at Grand Coulee Site, Wash.

273—P. F. Karst, Salesville, Mont.—Wants permit for small dam, pipe line and power house, to develop 20 hp. on Moose Creek, in Gallatin Natl. Forest.

274—Pacific Light & Power Co., c/o M. O. Leighton & Co., Natl. Savings and Trust Bldg., Wash., D. C.—Wants permit for 100 ft. masonry dam at Reclamation Site near mouth of Deschutes River, Ore.

275—Hutton, McNear & Dougherty, c/o F. C. Dougherty, Palace Hotel, San Francisco, Cal.—Wants permit for reservoir and power house on Cascade Creek, Thomas Bay, near Petersburg, Alaska.

276—Houston Power Co., Newton, Ala.—Wants to develop power on Choctawhatchee River, near here. Project incl. dam, 33 ft. high.

Miscellaneous

PROPOSED WORK

Cranes—Providence, R. I.—See "Industrial Works."

Stadium — Phila., Pa. — University of Pennsylvania, 34th and Spruce Sts., having plans prepared by Day & Klauder, archts., 1416 Chestnut St., and takes bids early in spring for 472 x 673 ft. concrete, brick and steel stadium. $250,000. G. Haddon, 233 Bway., New York, engr.

Stadium—Lynchburg, Va.—City plans concrete stadium with 10,000 seating capacity, incl. track, ball diamond, etc. $110,000. B. A. Bennett, city engr.

Canal Cover—New Smyrna, Fla.—City having plans prepared top slab, 11 ft. wide, and 2 sidewalls, 8-15 ft. high and 1 ft. thick, concrete, to cover canal along Canal St., each 3,270 ft. long, involving 1,950 cu. yd. 1:2½:5 and 450 cu.yd. 1:2:4 concrete and 60 ton reinforcing. $37,500. M. B. Pringle, city mgr.

Sheds—New Orleans, La.—Bd. Port Comrs. having plans prepared and soon takes bids building shed over assorting platform of cotton warehouse, 65,000 sq.ft., $125,000, rear extension on Robins St. shed, 72,000 sq.ft. $60,000 front extension on Bienville St. shed, 26,000 sq.ft., $25,000, all foregoing steel with corrugated iron sidings; mezzanine platform on Poydras St. shed, 46,000 sq.ft., steel frame mill flooring, $120,000, ratproofing St. Andrew St. shed with concrete, 33,000 sq.ft. $30,000.

Subway, etc. — Cincinnati, O. — Rapid Transit Comn., City Hall, open bids about March 1 for 3½ mi. subway (Sect. 6 Rapid Transit Loop), grading, constructing 3 bridges and 2 stations, 160,000 cu.yd. earth excav. $350,000. F. Raschig, City Hall, engr.

Electrical Work, etc. — Columbus, O. — E. L. McCune, clk. Bd. Educ., Town and High Sts., rejected bids opened Jan. 30, electrical work, plumbing, heating, ventilating and sewers for East High School on East Broad St. Work will be readvertised. Noted Jan. 5 under "Buildings."

Grain Elevator—Adair, Ill.—DeForrest Bros. & Co. plans rein.-con., steel hoppers, 50,000 bu. capacity. $25,000. W. DeForrest, secy. Architect not selected.

Equipment, etc.—Peshtigo, Wis.—Oconto Serv. Co. making plans additional unit in power plant, incl. 450 kw. generator, switchboard, 3 steel gates, etc., also strengthening part of dam. $50,000.

Revamping Distributing System — Ada, Minn.—Light Bd. having surveys made revamping electric distributing system and connect with high line or building new power plant. Cost between $16,000 and $40,000, dependent on plan adopted. C. L. Pillsbury Co., 1200 2nd Ave., S. Minneapolis, engrs.

Aquarium—San Francisco, Cal.—California Academy of Sciences, Golden Gate Park, had plans prepared by L. P. Hobart, archt., Crocker Bldg., rein.-con. and stone aquarium, Golden Gate Park. $250,000.

Electric Lighting and Power System—Bright, Ont.—Plans electric lighting and power distribution system. $25,000. J. N. Wilson, 190 University Ave., Toronto, engr.

Gas Plant Improvements—St. Thomas, Ont.—Having plans prepared improving civic gas plant, incl. erection new retort house, installation of 2 new vertical retorts, coal and coke handling equipment and reset boilers. $175,000. Prices wanted on all equipment. W. N. Miller, City Hall, engr.

BIDS DESIRED

Pipe—Boston, Mass.—Feb. 16 by Metropolitan Dist. Comn., Water Div., 1 Ashburton Pl., c.i. pipe on cars at Glenwood Sta., in Medford, on Boston & Maine R.R. G. L. Rogers, secy.; adv. this issue.

Drilling Gas Wells—Buffalo, N. Y.—Dept. Pub. Affairs, 332 Ellicott St., taking bids drilling 800-1,000 ft. and 3,400-3,700 ft. gas wells with cable rig outfit; 2,800-3,600 ft. with cable rig outfit and setting all necessary casings; 2,800-3,600 ft. with core drill outfit.

Broken Stone and Screenings—Long Island City, N. Y.—Feb. 15, by M. E. Connolly, pres. Queens Boro, 68 Hunterspoint Ave., for 24,000 cu.yd. broken stone and screenings, 4,500 cu.yd. sand in 1st, 2nd, 3rd and 4th Wards, 500 cu.yd. sand in 5th Ward, 35,000 asphalt paving blocks, 40,000 wood paving blocks, 450,000 gal. road oil for cold application, 175,000 gal. road oil for hot application, 100,000 gal. bituminous macadam binder and 800 ton asphaltic cement.

Borings—New York, N. Y.—Feb. 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., for borings to investigate character of bed rock and materials overlying it at High Bridge in Boroughs of Manhattan and Bronx.

Electric Operating Equipment—New York, N. Y.—Feb. 14, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., furnishing and installing electric operating equipment for 48 in. valves at 86th St. and 135th St. gatehouses.

Shaft and Tunnel—New York, N. Y.—Feb. 15, (change of date), by New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Room 617, Hall of Records, New York, land shafts and vehicular tunnel under Hudson River, here. $25,000,000. Noted Dec. 29. Under Jersey City, N. J.

Stadium—Nashville, Tenn.—Feb. 11, by Freeland-Roberts-Acker, engrs., 1212 Independent Life Bldg., Vanderbilt stadium, rein.-con., for Vanderbilt University. $150,000. Noted Jan. 5.

Steam Shovel—Detroit, Mich.—Reading Corp., 413 West Fort St., taking bids for high lift steam shovel.

Steel Sheets, Bars, etc.—Detroit, Mich.—Feb. 15, by B. A. Aikens, purch. agt. of Michigan Central R.R. Terminal, steel sheets, bars, shapes, plates, steel billets, springs, axles, crank pins and piston rods.

Tractor—Audubon, Ia.—Feb. 20, by Audubon Co., tractor for road work. H. M. Clark, Audubon, engr.

Drainage Machinery—Denmark, Wis.—Badger Drainage Co. in market for drainage machinery, tilers, etc. L. Zellner, secy.

Reinforcing Steel—St. Paul, Minn.—Feb. 13 by H. W. Austin, city purch. agt., 518.96 ton reinforcing steel for Water Dept.

Supplies—Hamilton, Ont.—Feb. 21, by S. H. Kent, city clk., broken stone and screenings, limestone dust, asphalt sand, sand and gravel, vitr. brick, creosoted wood blocks, lumber, sewer pipe, sewer brick, lime, castings (ordinary), c.i. pipe and special castings, valves, extension boxes, hardware, lead pipe, pig lead, lubricating oil, fuel oil, gasoline, concrete, garbage duck covers, rubber boots, rubber hose, bass brooms, sectional sweepers, cement, brass work. E R. Gray, city engr.; adv. this issue.

Hydro Station Equipment—St. Thomas, Ont.—Electrical Comn. receiving bids additional transformers and equipment at hydro station. $30,000. W. K. Sanderson, City Hall, engr.

CONTRACTS AWARDED

Electric Wiring, etc.—Brooklyn, N. Y.—C. L. Cadle, supt. Pub. Wks., Albany, electric wiring, power and battery charging equipment, in canal terminal warehouse, Gowanus Bay, here, Contr. 115, to Crocker Natl. Fire Prevention Eng. Co., 22 West 30th St., New York, $42,460. Noted Jan. 5.

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—Bd. Educ., 500 Park Ave., New York, installing heating and ventilating apparatus in P. S. 54, Sandford St., here, to Federal Heating Co., 300 Madison Ave., New York, $80,400; temperature regulation apparatus, to Johnson Serv. Co., 118 East 28th St., New York, $7,795. Noted Feb. 2.

Station Finish—New York, N. Y.—Transit Comn., 49 Lafayette St., completion of construction and station finish for 2 stations on Bway.-4th Ave. Rapid Transit P.R., to J. Schlesinger, 259 West 30th St., $25,305. Noted Jan. 26.

Cranes—Stapleton, S. I., N. Y.—Dept. Docks, Pier "A" foot of Battery Pl., New York, installing and putting into successful operations cranes on Piers 12 and 13, here, Contr. 1686, to Wellman-Seaver-Morgan Corp., Real Estate Trust Bldg., Cleveland, O., $324,500. Noted Dec. 29.

OFFICIAL PROPOSALS

Bids: Feb. 28.

Concrete Pavement

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa. Sealed proposals will be received at the State Capitol until 10 a.m., February 28, 1922, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of the following roads: 34,433 feet of One Course Reinforced Concrete Pavement, in Canton and Leroy Townships, Bradford County; 57,665 feet of One Course Reinforced Concrete Pavement, in Mercer Township and Harrisville Borough, Butler County and Irwin Township, Venango County; 39,672 feet of One Course Reinforced Concrete Pavement, in Snyder Township, Blair County and Taylor and Rush Townships, Centre County; 25,175 feet of One Course Reinforced Concrete Pavement, in Ashland and Elk Townships, Clarion County; 5,776 feet of One Course Reinforced Concrete Pavement, in Curwensville Borough, Clearfield County, also 8,217 feet of One Course Reinforced Concrete Pavement, in Pike Township, also 16,812 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement in Knox Township, and 24,573 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement, in Houtzdale Borough and Woodward Township, Clearfield County; 11,774 feet of One Course Reinforced Concrete Pavement, in Lemoyne and Camp Hill Boroughs, Cumberland County; 39,083 feet of One Course Reinforced Concrete Pavement, in White, Center, Blacklick and Young Townships and Jacksonville Borough, also 27,632 feet of One Course Reinforced Concrete Pavement, in Young Township, Indiana County; 27,412 feet of One Course Reinforced Concrete Pavement, in Lower Gwynedd, Whitpain and E. Norriton Townships, Montgomery County; 33,672 feet of either Bituminous Surface Course on a Concrete Foundation or One Course Reinforced Concrete Pavement, in Buffalo Township and Liverpool Borough, Perry County; 63 935 feet of either Bituminous Surface Course on a Concrete Foundation, or One Course Reinforced Concrete Pavement, in Penn, Union and Chapman Townships, Snyder County; 27,981 feet of One Course Reinforced Concrete Pavement, in Summitt and Elk Lick Townships, and Salisbury Borough, Somerset County; 13,473 feet of One Course Reinforced Concrete Pavement, in Speers and Dunlevy Boroughs and Allen Township, Washington County. Bidding blanks and specifications may be obtained free and plans upon payment of $2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. They also can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street Philadelphia, 119 Federal Street, N. S. Pittsburgh.

GEORGE H. BILES,
Assistant State Highway Commissioner.

Bids: Feb. 16.

Pipe, etc.

Richmond, Va.

Sealed proposals will be received at this office until 12 o'clock Noon, Thursday, Feb. 16, 1922, for the Building of Precast Pipe, Segment Block, Brick and Vitrified Pipe sewers, at various places within the limits of the City of Richmond. A deposit of $10.00 is required for plans and specifications before they are delivered to bidder.

This contract covers approximately $160,000 worth of sewers.

Forms of proposals can be obtained on application.

A certified check for amount stated (———) on proposals must accompany each bid as a guaranty of execution of contract. The Director of Public Works reserves the right to reject any and all bids.

ALLEN J. SAVILIE,
Director of Public Works.

These Advertisements

are official notices that bids are wanted from other than local bidders.

Maximum competition is desired, and this is assured through Engineering News-Record's large NATIONAL circulation, reaching almost every contractor, dealer, and manufacturer in the country interested in bidding on public work contracts. It is the DOMINANT MEDIUM for advertising contracts for work, material, and supplies for towns, cities, counties, state and government departments, and private organizations.

Official Proposals reaching our New York Office by 10 A. M., Tuesday car usually be printed in the issue out Thursday.

Rate: 40 cents a line an insertion.

Bids: Mar. 14.

Steel Girder Bridge

Holyoke, Mass.

Invitation for Proposals for the Construction of a Deck Steel Girder Bridge on Lyman Street. The Board of Public Works of Holyoke, Mass., will receive at its office, Room 2, City Hall, Holyoke, until 2 o'clock in the afternoon of Tuesday, March 14, 1922, sealed proposals for the construction of a deck steel girder bridge, the steel work to be encased or covered with reinforced concrete, the bridge to be erected across the second level canal on Lyman Street, in said Holyoke, in accordance with plans and specifications prepared therefor by the City Engineer and which will be available at this office on or after Monday, February 6, 1922. As soon as may be after the above time and at the office of the Board the proposals so received will be publicly opened and read. Full information may be had upon application to the City Engineer, City Hall Annex and Police Building, Holyoke Mass. A general form of the proposed contract may be seen at the office of the Board. Proposals to be accompanied by a certified bank check payable to the order of the City of Holyoke in the sum of One Thousand Dollars ($1,000), or by lawful money in the same sum. Bids to be addressed to the Chairman, marked "Proposal for Lyman Street Bridge" and left at the office of the Board before the time hereinbefore specified. The Board reserves the right to reject any or all bids or to accept any bid that in the opinion of the Board may be for the best interests of the City of Holyoke. GEORGE F. STONE, Asst. Clerk, Holyoke, Mass., February 1, 1922.

Bids: March 20.

Boilers, Pumps, Etc.

New Orleans, La.

Separate sealed proposals will be received by the Sewerage and Water Board, Room 401, No. 526 Carondelet Street, New Orleans, La., up to 12 o'clock noon, Monday, March 20, 1922, on the following:

(a) 1500-1800 hp. Boilers.
(b) Centrifugal Pumps.
(c) Electric Machinery.

A deposit of $100.00 will be required for each set of plans and specifications for pumps; and $50.00 for electric machinery. Specifications for boilers furnished without deposit.

The right is reserved to reject any or all bids.

GEO. G. EARL, General Supt.
A. G. HOFFAT, Secretary.

Bids: March 1.

Highway Work

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa. Sealed proposals will be received at the State Capitol until 10 a.m., March 1, 1922, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of the following roads: 37,713 feet of either Bituminous Surface Course on a Concrete Foundation, or One Course Reinforced Concrete Pavement, in Ulster and Smithfield Townships, also 10,500 feet of either Bituminous Surface Course on a Concrete Foundation, or One Course Reinforced Concrete Pavement, in Athens Township, Bradford County; 12,392 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement, in Red Bank Township, Clarion County; 2,432 feet of One Course Reinforced Concrete Pavement, in Osceola Mills Borough, also 22,515 linear feet of One Course Reinforced Concrete Pavement, in Sandy Township, also 6,954 feet of One Course Reinforced Concrete Pavement, in Sandy Township, Clearfield County; 34,529 feet of One Course Reinforced Concrete Pavement, in West Pennsboro Township, Cumberland County; 15,128 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement, in Radnor Township, Delaware County; 31,174 feet of One Course Reinforced Concrete Pavement, in Greene, Grant and Montgomery Townships, Indiana County; 19,210 feet of One Course Reinforced Concrete Pavement, in Rose and Eldred Townships and Brookville Borough, also 10,707 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement, in Snyder Township, Jefferson County; 20,156 feet of One Course Reinforced Concrete Pavement, in Eldred Township and Eldred Borough, McKean County; 2,833 feet of One Course Reinforced Concrete Pavement, in Upper Augusta Township, Northumberland County; 33,042 feet of either Bituminous Surface Course on a Concrete Foundation or One Course Reinforced Concrete Pavement, in Susquehanna Township, Juniata County, and Liverpool Township and Liverpool Borough, Perry County; 37,714 feet of One Course Reinforced Concrete Pavement, in Rockland and Cranberry Townships, Venango County; 11,378 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement, in North Versailles Township, Allegheny County and North Huntingdon Township, Westmoreland County. Bidding blanks and specifications may be obtained free, and plans upon payment of $2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. They also can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street, Philadelphia, 119 Federal Street, N. S. Pittsburgh, Pa.

GEORGE H. BILES,
Asst. State Highway Commissioner.

Bids: Feb. 21.

Free Library

Philadelphia, Pa.

Sealed proposals will be received in Room 216, City Hall, addressed to the Director of Public Works and the Board of Trustees, The Free Library of Philadelphia, until 12:00 o'clock noon, on Tuesday, February 21, 1922, and opened in the same room immediately thereafter, for

The Erection of the Building for the Free Library of Philadelphia, located on a plot of ground bounded by Vine, Nineteenth, Wood and Twentieth Streets in the City of Philadelphia.

Copies of plans, drawings and specifications for the above work may be secured from Horace Trumbauer, Architect, 1406 Land Title Building, Philadelphia, to whom inquiries for all information should be addressed.

FRANK H. CAVEN, Director.
The Board of Trustees, The Free Library of Philadelphia.
JOHN ASHHURST, Librarian.
January 31, 1922.